

www.phoronix-test-suite.com

webp blendy

Intel Core i7-1185G7 testing with a Dell 0DXP1F (3.7.0 BIOS) and Intel Xe TGL GT2 15GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

A had the most wins, coming in first place for 46% of the tests.

Based on the geometric mean of all complete results, the fastest (B) was 1.027x the speed of the slowest (A). B was 1x the speed of C and A was 0.973x the speed of B.

Test Systems:

A

B

webp blendy

C

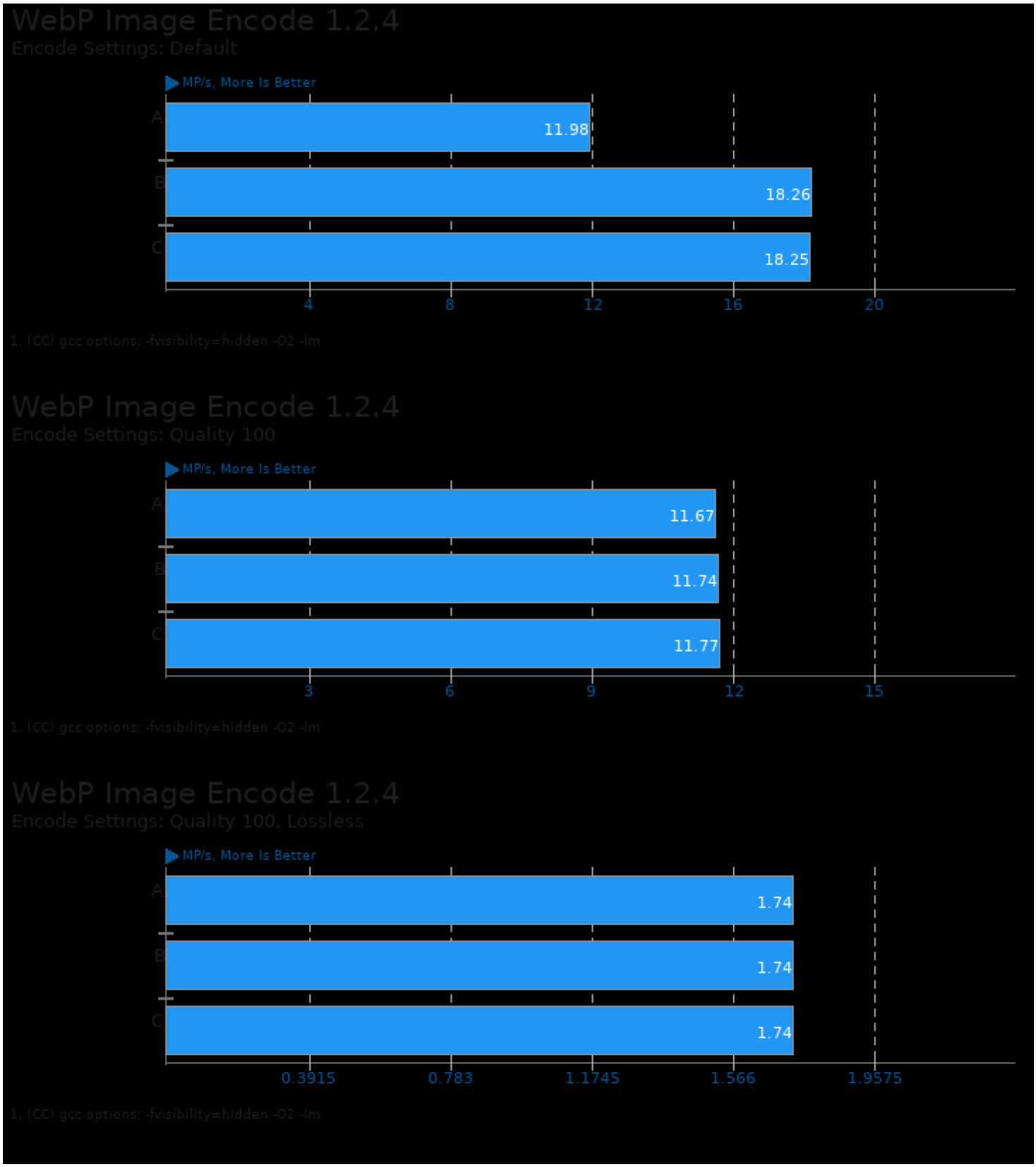
Processor: Intel Core i7-1185G7 @ 4.80GHz (4 Cores / 8 Threads), Motherboard: Dell 0DXP1F (3.7.0 BIOS), Chipset: Intel Tiger Lake-LP, Memory: 16GB, Disk: Micron 2300 NVMe 512GB, Graphics: Intel Xe TGL GT2 15GB (1350MHz), Audio: Realtek ALC289, Network: Intel Wi-Fi 6 AX201

OS: Ubuntu 22.04, Kernel: 5.18.8-051808-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.0.1, Vulkan: 1.3.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 1920x1200

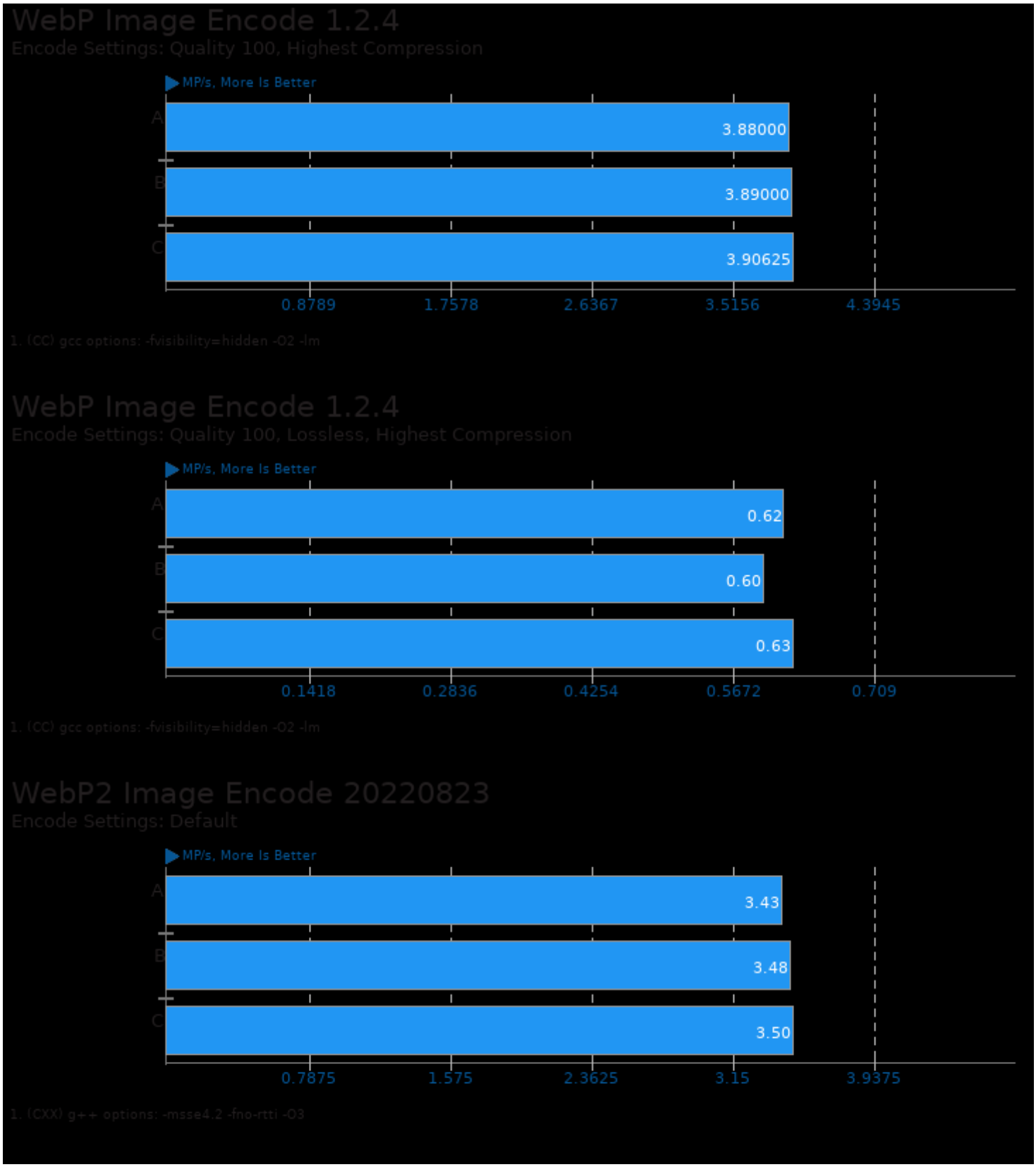
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xa4 - Thermald 2.4.9
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	A	B	C
WebP Image Encode - Default (MP/s)	**11.98**	**18.26**	18.25
Normalized	65.61%	100%	99.95%
WebP Image Encode - Quality 100 (MP/s)	**11.67**	11.74	**11.77**
Normalized	99.15%	99.75%	100%
WebP Image Encode - Q.1.L (MP/s)	1.74	1.74	1.74
WebP Image Encode - Q.1.H.C (MP/s)	**3.88**	3.89	**3.90625**
Normalized	99.33%	99.58%	100%
WebP Image Encode - Q.1.L.H.C (MP/s)	0.62	**0.60**	**0.63**
Normalized	98.41%	95.24%	100%
WebP2 Image Encode - Default (MP/s)	**3.43**	3.48	**3.50**
Normalized	98%	99.43%	100%
WebP2 Image Encode - Q.7.C.E.7 (MP/s)	0.04	0.04	0.04
WebP2 Image Encode - Q.9.C.E.7 (MP/s)	0.02	0.02	0.02
WebP2 Image Encode - Q.1.C.E.5 (MP/s)	**1.35**	1.34	**1.31**
Normalized	100%	99.26%	97.04%
WebP2 Image Encode - Q.1.L.C (MP/s)	0.01	0.01	0.01
FLAC Audio Encoding - WAV To FLAC (sec)	**14.715**	14.808	**14.881**
Normalized	100%	99.37%	98.88%
Blender - BMW27 - CPU-Only (sec)	400.58	**400.08**	**406.31**
Normalized	99.88%	100%	98.47%
Blender - Classroom - CPU-Only (sec)	**1115**	**1113**	1115
Normalized	99.78%	100%	99.83%
Blender - Fishy Cat - CPU-Only (sec)	546.47	**545.91**	**546.86**
Normalized	99.9%	100%	99.83%
Blender - Pabellon Barcelona - CPU-Only	**1437**	1439	**1445**
Normalized	100%	99.86%	99.41%

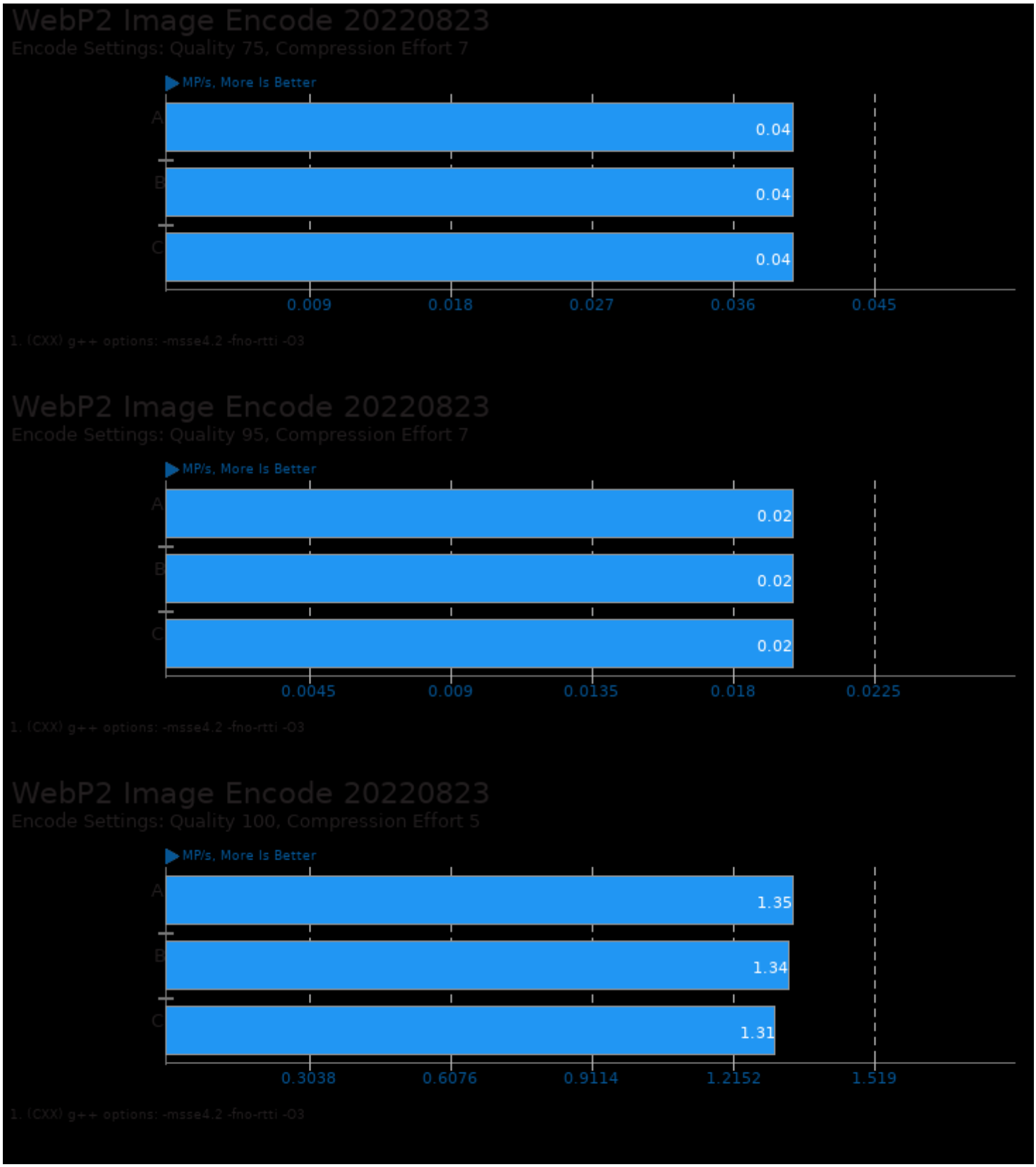
webp blendy


WebP Image Encode 1.2.4
Encode Settings: Default
MP/s, More Is Better
A
B
C
11.98
18.26
18.25
4
8
12
16
20
1. (CC) gcc options: -fvisibility=hidden -O2 -lm
WebP Image Encode 1.2.4
Encode Settings: Quality 100
MP/s, More Is Better
A
B
C
11.67
11.74
11.77
3
6
9
12
15
1. (CC) gcc options: -fvisibility=hidden -O2 -lm
WebP Image Encode 1.2.4
Encode Settings: Quality 100, Lossless
MP/s, More Is Better
A
B
C
1.74
1.74
1.74
0.3915
0.783
1.1745
1.566
1.9575
1. (CC) gcc options: -fvisibility=hidden -O2 -lm

webp blendy


WebP Image Encode 1.2.4
Encode Settings: Quality 100, Highest Compression
MP/s, More Is Better
A
B
C
3.88000
3.89000
3.90625
0.8789
1.7578
2.6367
3.5156
4.3945
1. (CC) gcc options: -fvisibility=hidden -O2 -lm
WebP Image Encode 1.2.4
Encode Settings: Quality 100, Lossless, Highest Compression
MP/s, More Is Better
A
B
C
0.62
0.60
0.63
0.1418
0.2836
0.4254
0.5672
0.709
1. (CC) gcc options: -fvisibility=hidden -O2 -lm
WebP2 Image Encode 20220823
Encode Settings: Default
MP/s, More Is Better
A
B
C
3.43
3.48
3.50
0.7875
1.575
2.3625
3.15
3.9375
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3

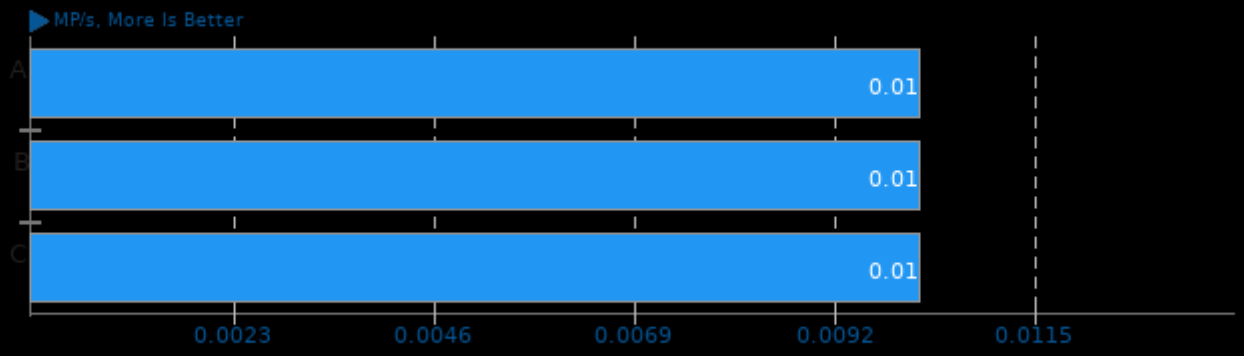
webp blendy


WebP2 Image Encode 20220823
Encode Settings: Quality 75, Compression Effort 7
MP/s, More Is Better
A
B
C
0.04
0.04
0.04
0.009
0.018
0.027
0.036
0.045
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3
WebP2 Image Encode 20220823
Encode Settings: Quality 95, Compression Effort 7
MP/s, More Is Better
A
B
C
0.02
0.02
0.02
0.0045
0.009
0.0135
0.018
0.0225
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3
WebP2 Image Encode 20220823
Encode Settings: Quality 100, Compression Effort 5
MP/s, More Is Better
A
B
C
1.35
1.34
1.31
0.3038
0.6076
0.9114
1.2152
1.519
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3

webp blendy

WebP2 Image Encode 20220823

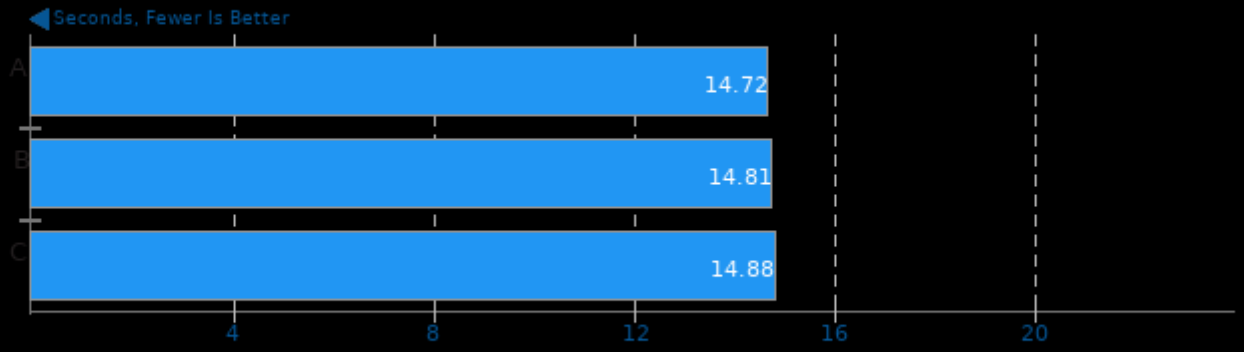
Encode Settings: Quality 100, Lossless Compression



1. (CXX) g++ options: -msse4.2 -fno-rtti -O3

FLAC Audio Encoding 1.4

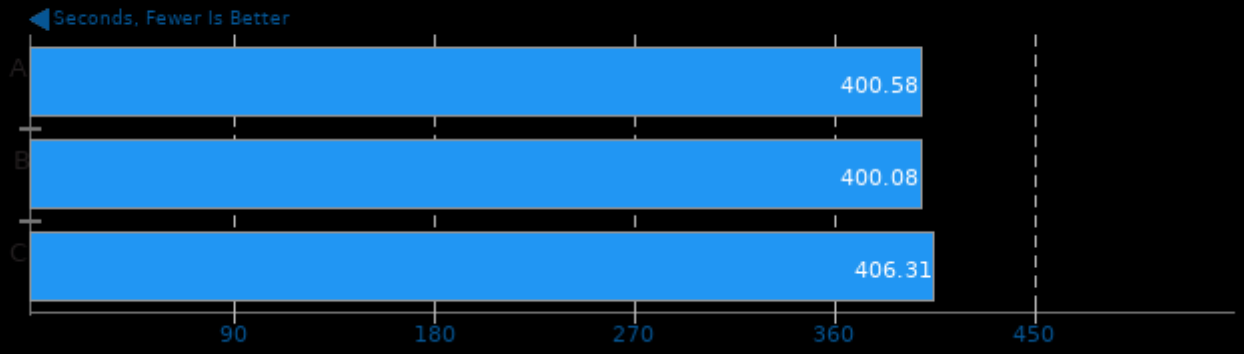
WAV To FLAC



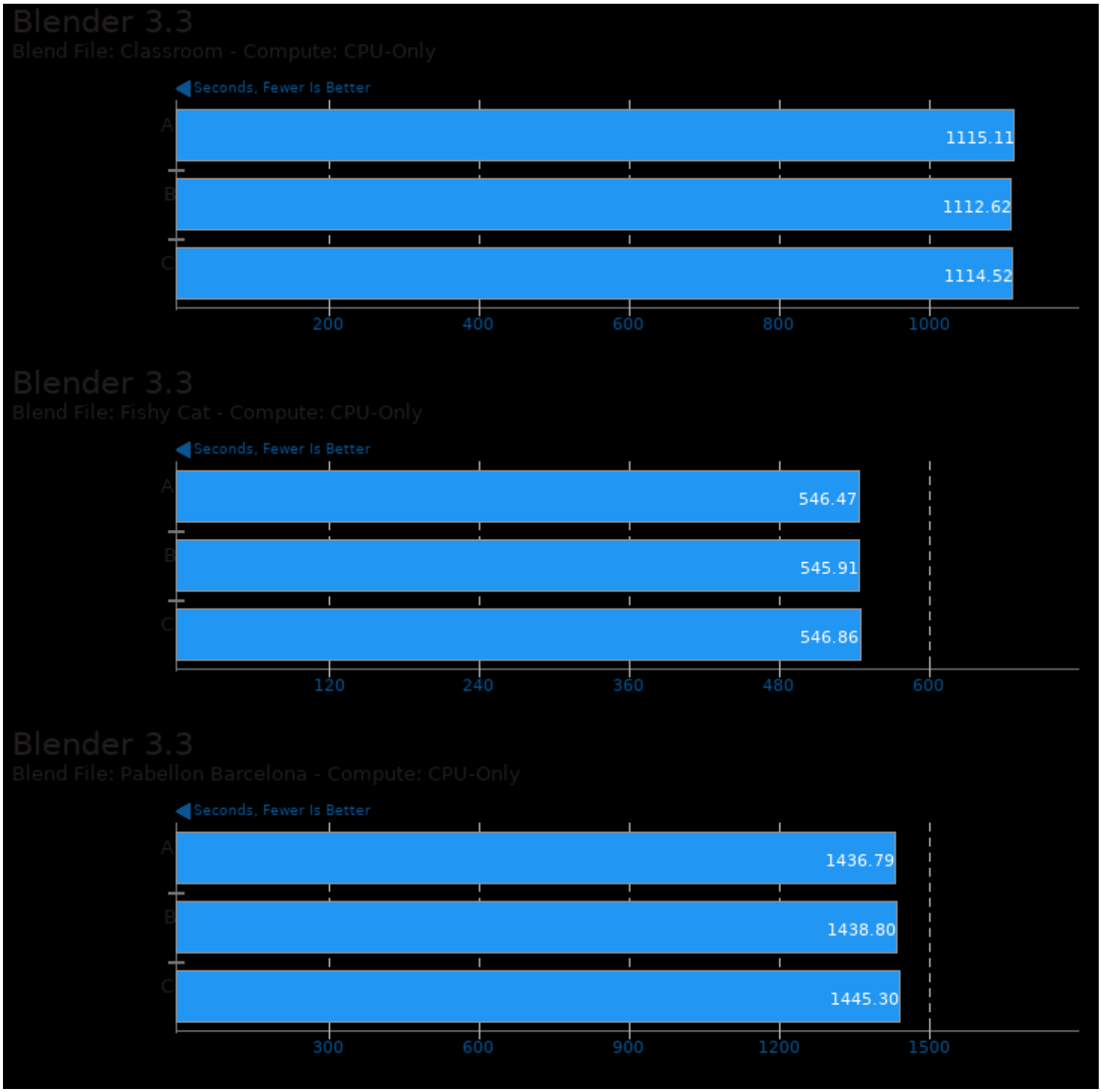
1. (CXX) g++ options: -O3 -fvisibility=hidden -logg -lm

Blender 3.3

Blend File: BMW27 - Compute: CPU-Only



webp blendy


Blender 3.3
Blend File: Classroom - Compute: CPU-Only
Seconds, Fewer Is Better
A
B
C
1115.11
1112.62
1114.52
200
400
600
800
1000
Blender 3.3
Blend File: Fishy Cat - Compute: CPU-Only
Seconds, Fewer Is Better
A
B
C
546.47
545.91
546.86
120
240
360
480
600
Blender 3.3
Blend File: Pabellon Barcelona - Compute: CPU-Only
Seconds, Fewer Is Better
A
B
C
1436.79
1438.80
1445.30
300
600
900
1200
1500

webp blendy

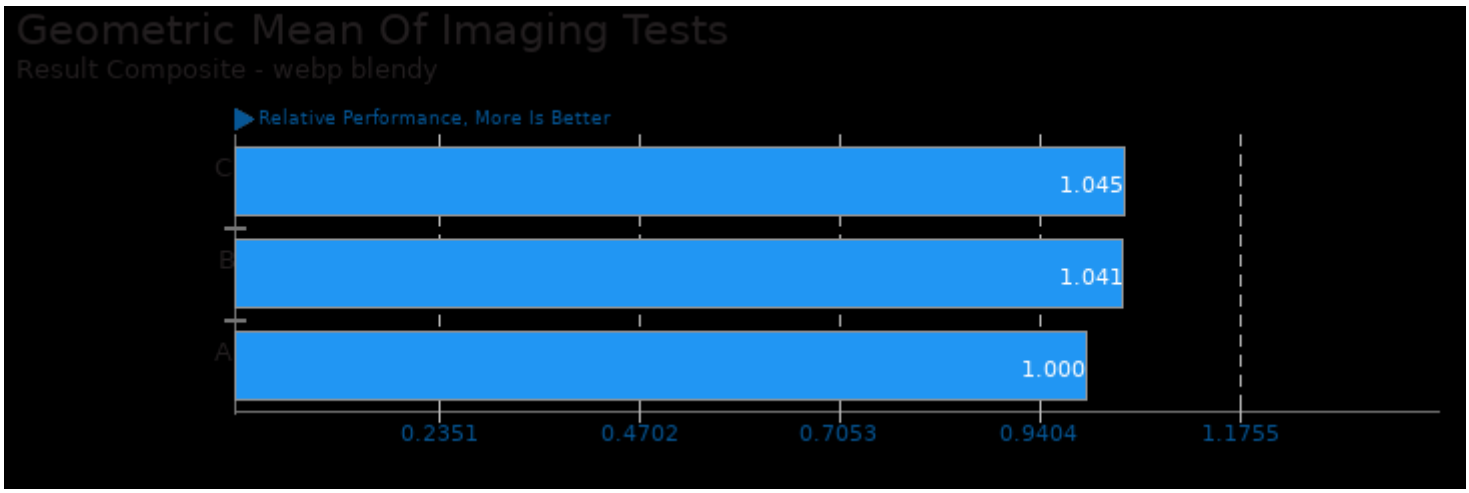
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/encode-flac and pts/blender



Geometric mean based upon tests: pts/blender, pts/encode-flac, pts/webp and pts/webp2



Geometric mean based upon tests: pts/webp and pts/webp2

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 14:55.