

www.phoronix-test-suite.com

12600k webp blendy

Intel Core i5-12600K testing with a ASUS PRIME Z690-P WIFI D4 (0605 BIOS) and ASUS Intel ADL-S GT1 15GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

A had the most wins, coming in first place for 69% of the tests.

Based on the geometric mean of all complete results, the fastest (A) was 1.001x the speed of the slowest (B).

Test Systems:

A

B

Processor: Intel Core i5-12600K @ 6.30GHz (10 Cores / 16 Threads), Motherboard: ASUS PRIME Z690-P WIFI D4 (0605 BIOS), Chipset: Intel Device 7aa7, Memory: 16GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0,

12600k webp blendy

Graphics: ASUS Intel ADL-S GT1 15GB (1450MHz), Audio: Realtek ALC897, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE + Intel Device 7af0

OS: Ubuntu 22.04, Kernel: 5.19.0-051900rc6daily20220716-generic (x86_64), Desktop: GNOME Shell 42.1, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.0.1, OpenCL: OpenCL 3.0, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

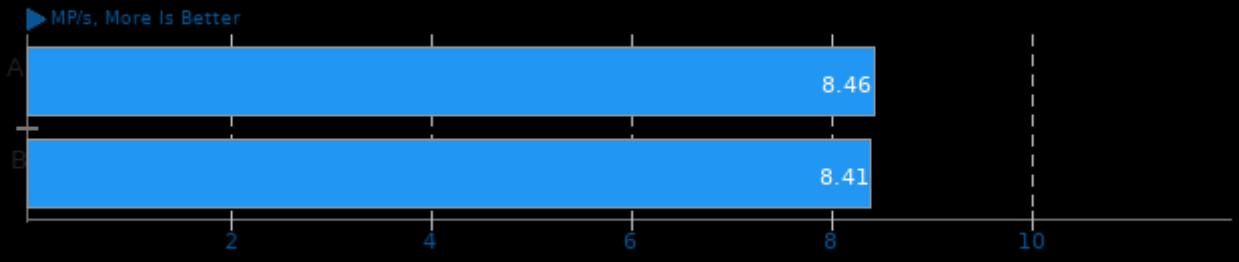
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --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: 0x1f - Thermald 2.4.9
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: 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
WebP2 Image Encode - Default (MP/s)	**8.46**	**8.41**
Normalized	100%	99.41%
Blender - Pabellon Barcelona - CPU-Only (sec)	**377.71**	**379.1**
Normalized	100%	99.63%
WebP2 Image Encode - Q.1.C.E.5 (MP/s)	**4.29**	**4.30**
Normalized	99.77%	100%
WebP Image Encode - Q.1.H.C (MP/s)	**4.37**	**4.38**
Normalized	99.77%	100%
Blender - Classroom - CPU-Only (sec)	**302.81**	**303.47**
Normalized	100%	99.78%
Blender - Fishy Cat - CPU-Only (sec)	**155**	**155.33**
Normalized	100%	99.79%
FLAC Audio Encoding - WAV To FLAC (sec)	**12.814**	**12.797**
Normalized	99.87%	100%
Blender - BMW27 - CPU-Only (sec)	**107.33**	**107.43**
Normalized	100%	99.91%
WebP Image Encode - Default (MP/s)	**21.84**	**21.86**
Normalized	99.91%	100%
WebP2 Image Encode - Q.9.C.E.7 (MP/s)	0.07	0.07
WebP2 Image Encode - Q.7.C.E.7 (MP/s)	0.15	0.15
WebP Image Encode - Q.1.L (MP/s)	1.97	1.97
WebP Image Encode - Quality 100 (MP/s)	14.12	14.12

12600k webp blendy

WebP2 Image Encode 20220823

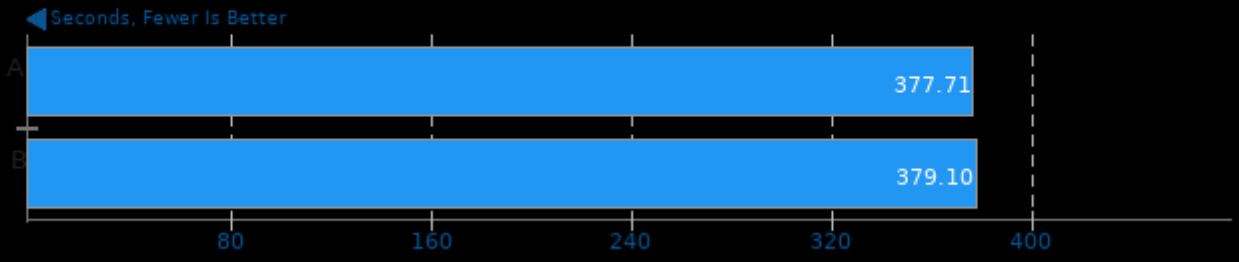
Encode Settings: Default



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

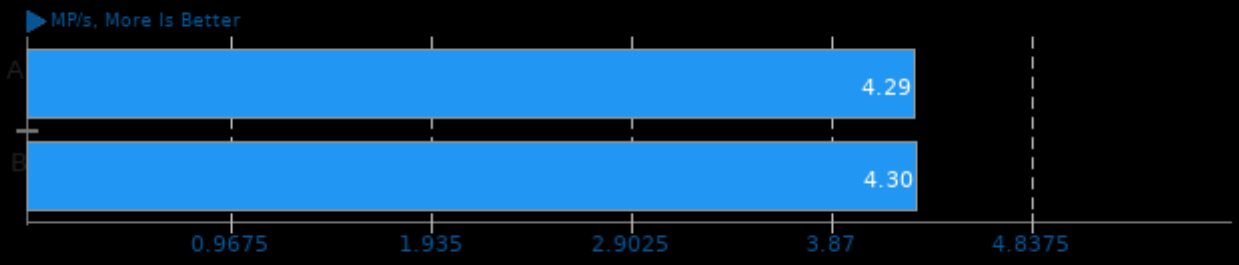
Blender 3.3

Blend File: Pabellon Barcelona - Compute: CPU-Only



WebP2 Image Encode 20220823

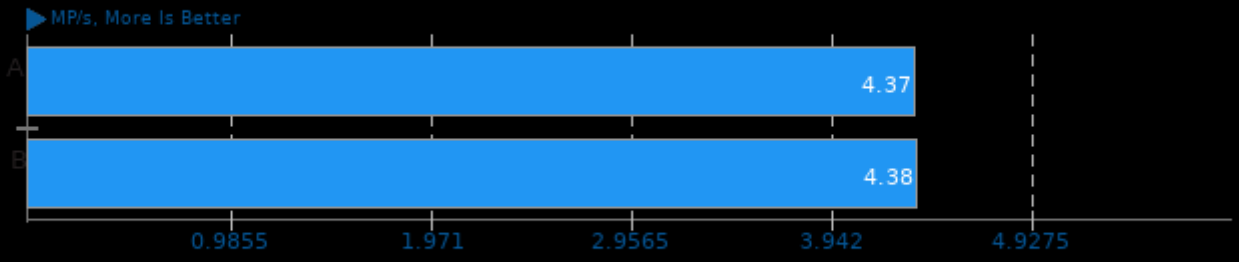
Encode Settings: Quality 100, Compression Effort 5



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

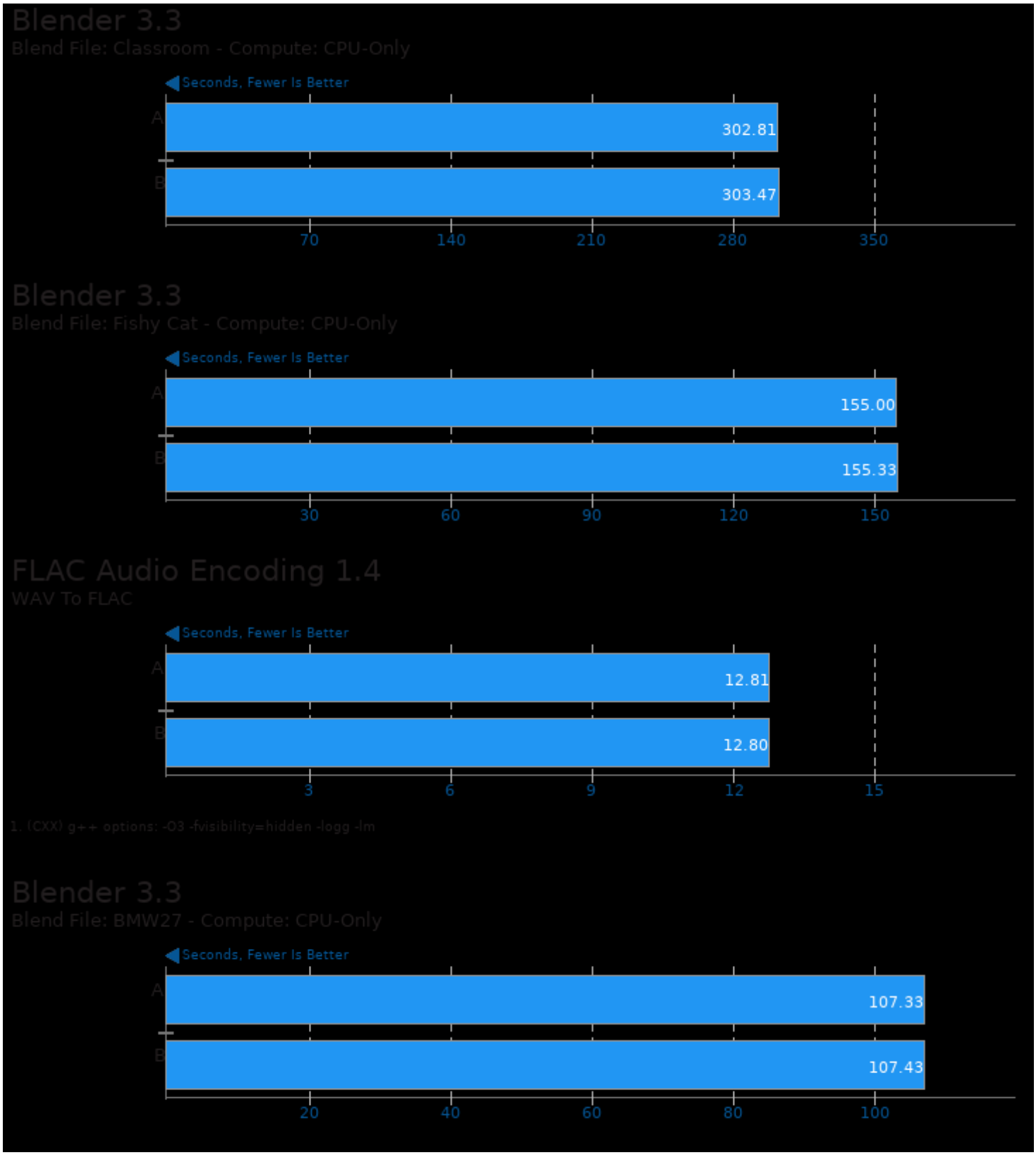
WebP Image Encode 1.2.4

Encode Settings: Quality 100, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -lm

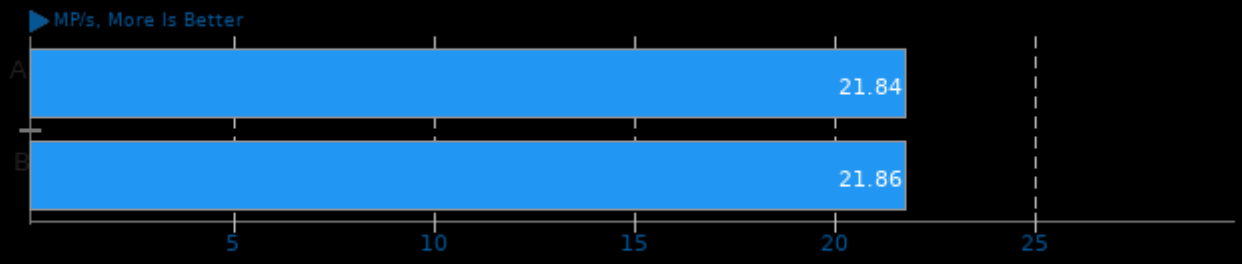
12600k webp blendy



12600k webp blendy

WebP Image Encode 1.2.4

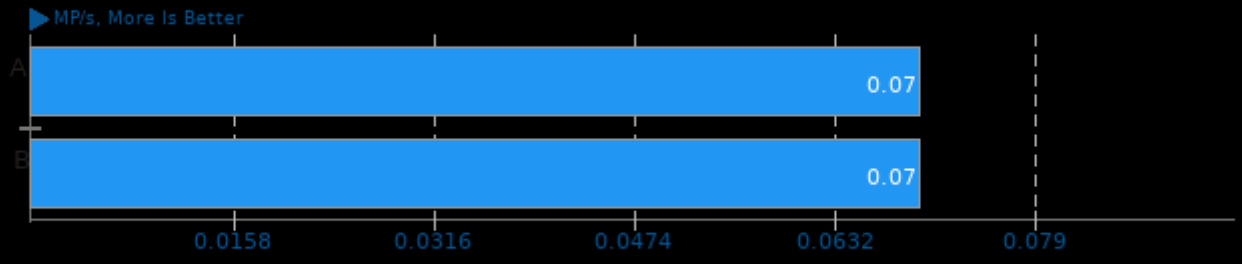
Encode Settings: Default



1. (CC) gcc options: -fvisibility=hidden -O2 -lm

WebP2 Image Encode 20220823

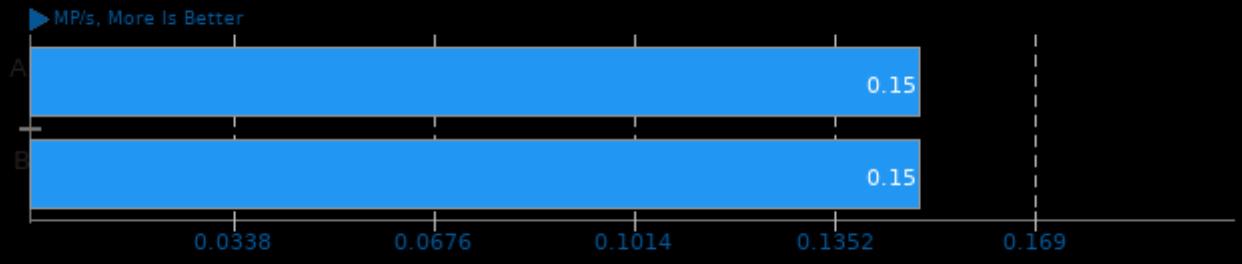
Encode Settings: Quality 95, Compression Effort 7



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

WebP2 Image Encode 20220823

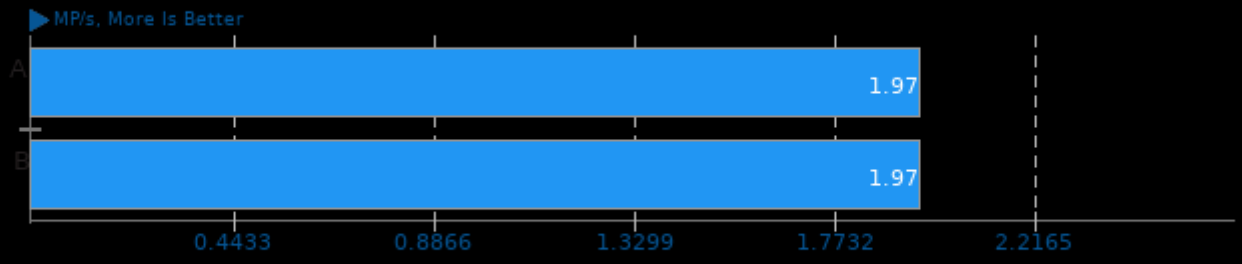
Encode Settings: Quality 75, Compression Effort 7



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

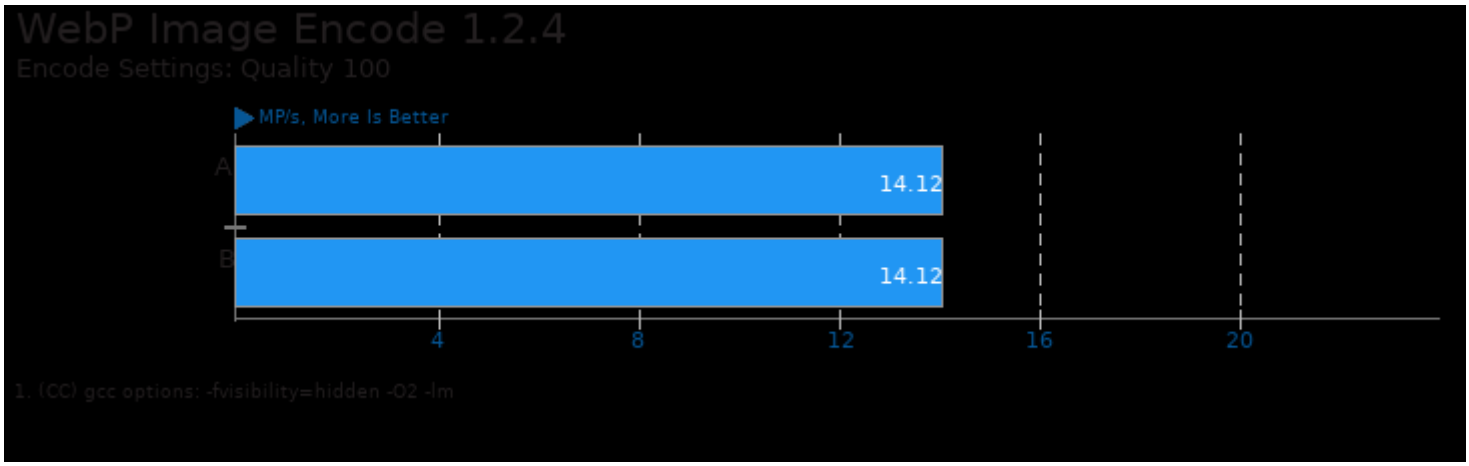
WebP Image Encode 1.2.4

Encode Settings: Quality 100, Lossless



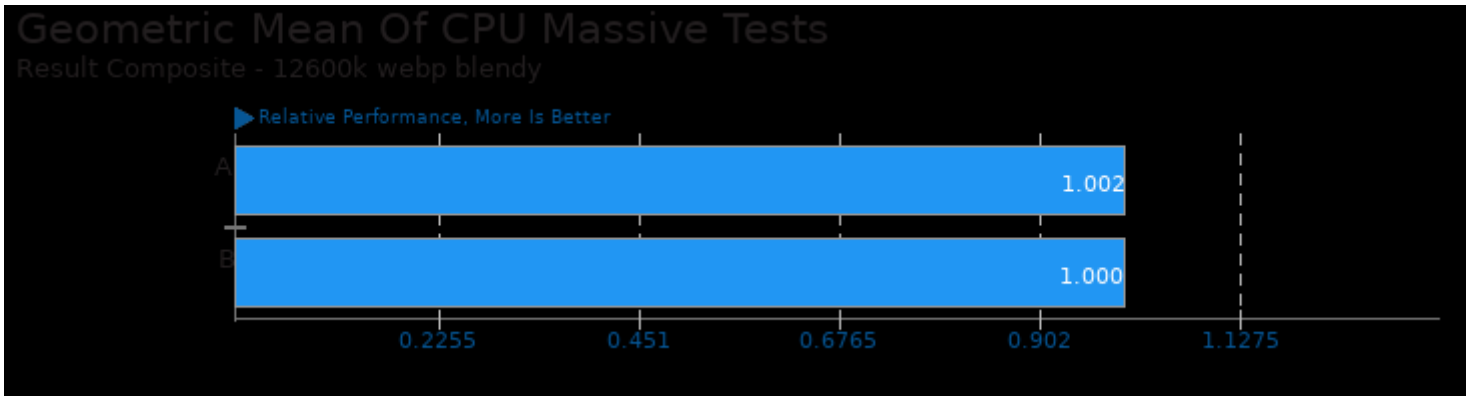
1. (CC) gcc options: -fvisibility=hidden -O2 -lm

12600k webp blendy

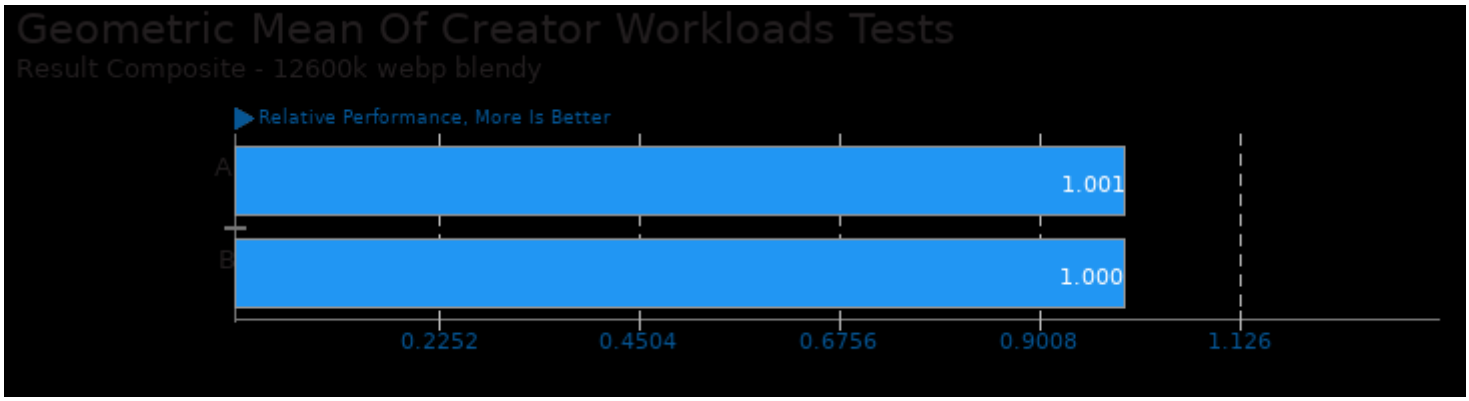


12600k webp blendy

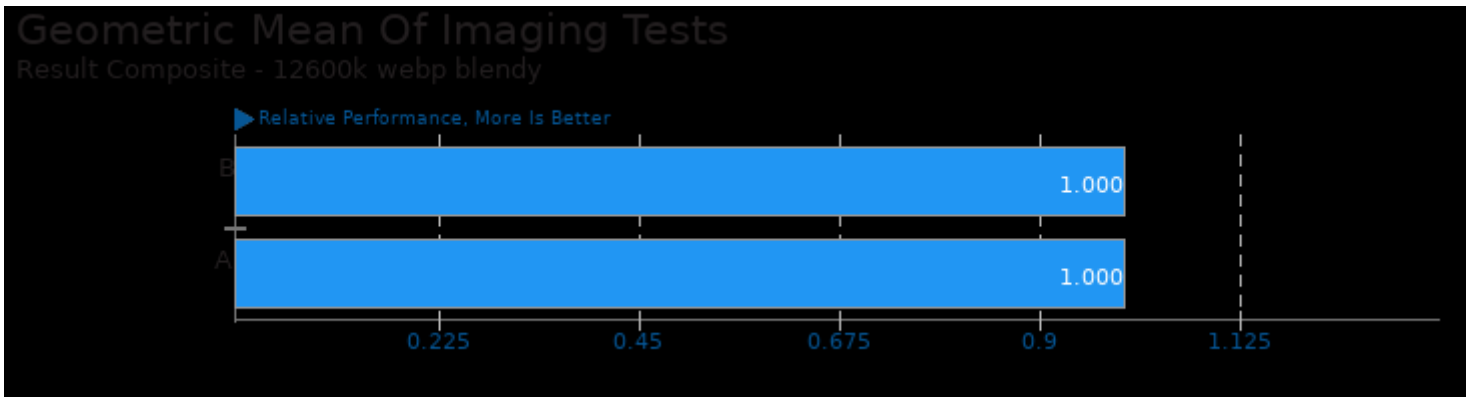
These geometric means are based upon test groupings / test suites for this result file.



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 Friday, 29 March 2024 08:31.