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Methods and systems for displays with chromatic correction with differing chromatic ranges

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Abstract of US9185268 (B2)

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There are provided methods and systems for color correcting displays with different color gamuts. A method includes performing color correction on source picture content, using at least one of a non-reference type display having a non-reference color gamut and a reference type display having a reference color gamut. The performing step includes mastering the source picture content to provide mastered color corrected picture content for display on the non-reference type displays having a non-reference color gamut. The performing step further includes generating metadata for a color gamut mapping that color transforms the mastered color corrected picture content for display on reference type displays having a reference color gamut. The source picture content is mastered only for the non-reference type displays having the non-reference color gamut.

