

Converting Colors

$Y_{xy}(13.2306, 0.3294, 0.2987)$

Have a look what the booklet for
Yxy(13.2306, 0.3294, 0.2987)
contains.

Yxy(13.3033, 0.3292, 0.2989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.3033, 0.3292, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	785F6E
RGB	120, 95, 110
RGB Percent	47%, 37%, 43%
CMY	0.5295, 0.6274, 0.5686
CMYK	0.00, 0.21, 0.08, 0.53
HSL	324°, 12%, 42%
HSV	324°, 21%, 47%
XYZ	14.6519, 13.3033, 16.5523
YIQ	104.1850, 10.0850, 9.9650

Conversions

Conversions Part 2

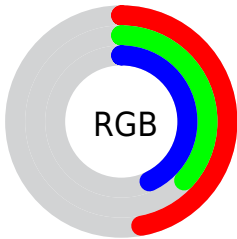
Format	Color
R_{YB}	120, 95, 110
Decimal	7888750
CIE _{Lab}	43.22, 12.85, -4.64
CIE _{LCh}	43, 13.663, 340.135
Yxy	13.3033, 0.3292, 0.2989
Android (android.graphics.Color)	4286078830 (0xFF785F6E)
YUV	104.1850, 2.8668, 13.8698
Hunter-Lab	36.4737, 7.8764, -1.3752

Details

The Yxy color **13.3033, 0.3292, 0.2989** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8827, 0.2991, 0.3612**, and the grayscale version is **13.8860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0506, 0.3252, 0.3062**, and **3.8840, 0.3378, 0.2873** is the 20% darker color. If you saturate the color by 10%, you get **11.2045, 0.3393, 0.2838**, and if you desaturate by 10%, it is **15.7420, 0.3206, 0.3137**.

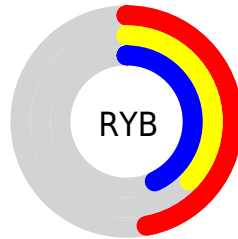
Distribution



Red (47%)

Green (37%)

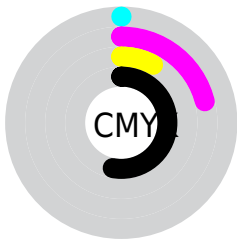
Blue (43%)



Red (47%)

Yellow (37%)

Blue (43%)

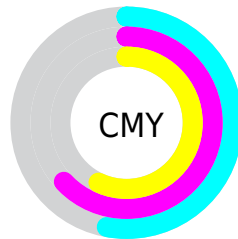


Cyan (0%)

Magenta (21%)

Yellow (8%)

Black (53%)



Cyan (53%)


Magenta (63%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3033, 0.3292, 0.2989 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.3033, 0.3292, 0.2989 by changing the saturation by 10% instead.


 13.3033, 0.3292,
0.2989


 13.3033, 0.3292,
0.2989


212.8524, 0.3194,
0.3167


 7.6377, 0.3324,
0.2931


 31.8476, 0.3252,
0.3062


 3.8640, 0.3371,
0.2847

 45.4951, 0.3238,
0.3087

 1.5978, 0.3447,
0.2710

 62.5721, 0.3227,
0.3107

 0.3561, 0.3790,
0.2070

 83.4629, 0.3218,
0.3123

 0.0000, 0.0000,
0.0000

108.5520, 0.3211,
0.3137

138.2236, 0.3204,

0.3148

172.8623, 0.3199,
0.3158

■ 13.3033, 0.3292,
0.2989

■ 13.3033, 0.3292,
0.2989

■ 11.2045, 0.3393,
0.2838

■ 15.7420, 0.3206,
0.3137

■ 9.4284, 0.3511,
0.2687

■ 18.5330, 0.3133,
0.3279

■ 7.9593, 0.3646,
0.2544

■ 21.6904, 0.3071,
0.3412

■ 6.7791, 0.3796,
0.2418

■ 25.2271, 0.3020,
0.3537

■ 5.8681, 0.3961,
0.2318

■ 29.1550, 0.2977,
0.3652

■ 5.2039, 0.4134,
0.2253

■ 33.4860, 0.2941,
0.3758

■ 4.7606, 0.4311,
0.2234

■ 38.2310, 0.2911,
0.3856

■ 4.4614, 0.4477,
0.2240

■ 43.4007, 0.2886,
0.3945

■ 49.0055, 0.2865,
0.4028

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.3033, 0.2997, 0.2848



13.3033, 0.3292, 0.2989



13.3033, 0.3551, 0.3203

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.3033, 0.3292, 0.2989



13.3033, 0.3504, 0.3793



13.3033, 0.2593, 0.3092

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.3033, 0.3292, 0.2989



16.8827, 0.2991, 0.3612

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.3033, 0.2715, 0.3361



13.3033, 0.3292, 0.2989



13.3033, 0.3237, 0.3783

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.3033, 0.3292, 0.2989



13.3033, 0.3674, 0.3662



13.3033, 0.2948, 0.3622



13.3033, 0.2605, 0.2896

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.3033, 0.3292, 0.2989



13.3033, 0.3663, 0.3364



13.3033, 0.2948, 0.3622



13.3033, 0.2619, 0.3177

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.3039, 0.3292, 0.2989



29.9091, 0.3170, 0.3204



12.5193, 0.2929, 0.2766



7.0312, 0.3174, 0.3197



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3039, 0.3292, 0.2989



21.5615, 0.3339, 0.2917



13.0581, 0.3474, 0.3231



4.0517, 0.3192, 0.3162



4.8654, 0.4483, 0.2243



23.0367, 0.4568, 0.2290

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.3039, 0.3292, 0.2989



21.5615, 0.3339, 0.2917



17.1494, 0.2862, 0.3350



4.0517, 0.3192, 0.3162



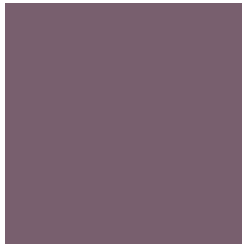
4.8654, 0.4483, 0.2243



23.0367, 0.4568, 0.2290

Previews

White Background



This preview shows how the Yxy color 13.3033, 0.3292, 0.2989 looks on a white background.

Color Contrast Check

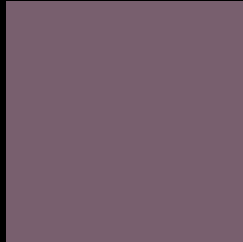
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.3033, 0.3292, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.3033, 0.3292, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 13.3033, 0.3292, 0.2989.



This preview shows how white text looks on a background with the Yxy color 13.3033, 0.3292, 0.2989.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.3033, 0.3292, 0.2989

Protanopia

13.4843, 0.2958, 0.3032

Deuteranopia

13.2790, 0.3137, 0.3079



Tritanopia

13.2872, 0.3363, 0.3128

Trichromacy



Original Color

13.3033, 0.3292, 0.2989

Protanomaly

13.3041, 0.3069, 0.2996

Deuteranomaly

13.3502, 0.3197, 0.3062

Tritanomaly

13.3283, 0.3334, 0.3087

Monochromacy



Original Color

13.3033, 0.3292, 0.2989

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.6630, 0.3190, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3033, 0.3292, 0.2989 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 95, 110)` looks like.

```
.text, #text, p{  
    color:rgb(120, 95, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 95, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 95, 110) }
```

Border

The CSS property to change the border of an element to Yxy 13.3033, 0.3292, 0.2989 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 95, 110) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(120, 95, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(120, 95, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 95, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 95, 110);  
box-shadow:4px 4px 4px 4px rgb(120, 95,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3033, 0.3292, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 95, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120, 95,  
110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor