

Converting Colors

$Y_{xy}(13.1996, 0.4173, 0.3979)$

Have a look what the booklet for
Yxy(13.1996, 0.4173, 0.3979)
contains.

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Color

Yxy(13.2812, 0.4176, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	80603C
RGB	128, 96, 60
RGB Percent	50%, 38%, 24%
CMY	0.4980, 0.6235, 0.7647
CMYK	0.00, 0.25, 0.53, 0.50
HSL	32°, 36%, 37%
HSV	32°, 53%, 50%
XYZ	13.9003, 13.2812, 6.1047
YIQ	101.4640, 30.6280, -4.4120

Conversions

Conversions Part 2

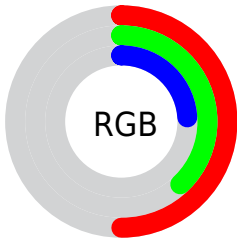
Format	Color
R_{YB}	120, 128, 60
Decimal	8413244
CIE Lab	43.18, 8.33, 25.49
CIE LCh	43, 26.819, 71.911
Yxy	13.2812, 0.4176, 0.3990
Android (android.graphics.Color)	4286603324 (0xFF80603C)
YUV	101.4640, -20.4418, 23.2721
Hunter-Lab	36.4434, 4.3080, 15.5786

Details

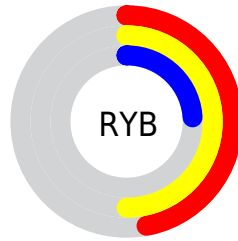
The Yxy color **13.2812, 0.4176, 0.3990** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.1710, 0.2302, 0.2443**, and the grayscale version is **13.1885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7078, 0.3926, 0.3829**, and **3.8551, 0.4641, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **12.1053, 0.4426, 0.4098**, and if you desaturate by 10%, it is **14.5753, 0.3937, 0.3864**.

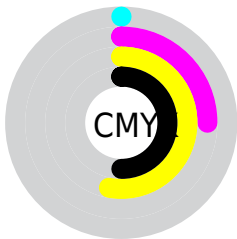
Distribution



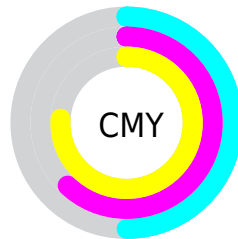
- Red (50%)
- Green (38%)
- Blue (24%)



- Red (47%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (25%)
- Yellow (53%)
- Black (50%)




- Cyan (50%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2812, 0.4176, 0.3990 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 13.2812, 0.4176, 0.3990 by changing the saturation by 10% instead.


 13.2812, 0.4176,
0.3990


 13.2812, 0.4176,
0.3990


212.7121, 0.3548,
0.3592


 7.6225, 0.4374,
0.4099


 31.8081, 0.3919,
0.3835


 3.8543, 0.4651,
0.4236

 45.4450, 0.3831,
0.3780


 1.5924, 0.5353,
0.4647

 62.5101, 0.3761,
0.3734

 0.3525, 0.6043,
0.3957

 83.3877, 0.3703,
0.3696

 0.0000, 0.0000,
0.0000

 108.4624, 0.3655,
0.3664

 138.1184, 0.3614,

0.3637

172.7401, 0.3579,
0.3613

■ 13.2812, 0.4176,
0.3990

■ 13.2812, 0.4176,
0.3990

■ 12.1053, 0.4426,
0.4098

■ 14.5753, 0.3937,
0.3864

■ 11.0414, 0.4678,
0.4178

■ 15.9898, 0.3715,
0.3728

■ 10.0856, 0.4919,
0.4217

■ 17.5289, 0.3514,
0.3591

■ 9.2324, 0.5134,
0.4209

■ 19.1962, 0.3333,
0.3457

■ 8.6968, 0.5279,
0.4190

■ 20.9950, 0.3173,
0.3329

■ 22.9287, 0.3032,
0.3208

■ 25.0003, 0.2908,
0.3096

■ 27.2127, 0.2799,
0.2992

■ 29.5689, 0.2704,
0.2897

Harmonies

Analogous

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



13.2812, 0.4253, 0.3569



13.2812, 0.4176, 0.3990



13.2812, 0.3809, 0.4280

Triad

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



13.2812, 0.4176, 0.3990



13.2812, 0.2317, 0.3376



13.2812, 0.2894, 0.2484

Complementary

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



13.2812, 0.4176, 0.3990



10.1710, 0.2302, 0.2443

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.



13.2812, 0.2427, 0.2394



13.2812, 0.4176, 0.3990



13.2812, 0.2119, 0.2846

Square

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



13.2812, 0.4176, 0.3990



13.2812, 0.2732, 0.3942



13.2812, 0.2158, 0.2509



13.2812, 0.3472, 0.2745

Rectangle

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



13.2812, 0.4176, 0.3990



13.2812, 0.3464, 0.4327



13.2812, 0.2158, 0.2509



13.2812, 0.2720, 0.2433

Sweetspot

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



13.2818, 0.4176, 0.3990



32.8228, 0.3389, 0.3500



8.6080, 0.3851, 0.2655



7.5669, 0.3420, 0.3523



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.2818, 0.4176, 0.3990



20.8574, 0.4486, 0.4120



20.2660, 0.3853, 0.4523



4.6917, 0.3266, 0.3404



8.6264, 0.5278, 0.4191



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1710, 0.2302, 0.2443



14.7552, 0.2123, 0.2201



5.7855, 0.2165, 0.1683



4.5193, 0.2993, 0.3173



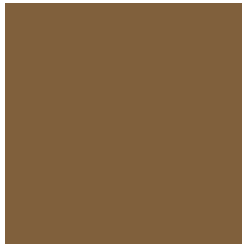
4.7755, 0.1759, 0.1534



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.2812, 0.4176, 0.3990 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 13.2812, 0.4176, 0.3990 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 13.2812, 0.4176, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 13.2812, 0.4176, 0.3990.



This preview shows how white text looks on a background with the Yxy color 13.2812, 0.4176, 0.3990.

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

13.2812, 0.4176, 0.3990

Protanopia

13.2953, 0.3836, 0.4145

Deuteranopia

13.3467, 0.4092, 0.4047



Tritanopia

13.1893, 0.3663, 0.3156

Trichromacy



Original Color

13.2812, 0.4176, 0.3990

Protanomaly

13.3028, 0.3963, 0.4096

Deuteranomaly

13.2356, 0.4118, 0.4023

Tritanomaly

13.2146, 0.3864, 0.3469

Monochromacy



Original Color

13.2812, 0.4176, 0.3990

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9751, 0.3497, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2812, 0.4176, 0.3990 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(128, 96, 60)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 60)  
}
```

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(128, 96, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 60) }
```

Border

The CSS property to change the border of an element to Yxy 13.2812, 0.4176, 0.3990 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(128, 96, 60) }
```

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

```
.border{ border-color:rgb(128, 96, 60) }
```

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

Here you see how a box with a 4 pixel rgb(128, 96, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 60);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2812, 0.4176, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 60) }
```

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

```
.background{ background-color: rgb(128, 96,  
60) }
```

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](#).

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