

Converting Colors

$Y_{xy}(10.3183, 0.4035, 0.3221)$

Have a look what the booklet for
Yxy(10.3183, 0.4035, 0.3221)
contains.

Yxy(10.3226, 0.4039, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.3226, 0.4039, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	804C4F
RGB	128, 76, 79
RGB Percent	50%, 30%, 31%
CMY	0.4981, 0.7019, 0.6902
CMYK	0.00, 0.41, 0.38, 0.50
HSL	357°, 25%, 40%
HSV	357°, 41%, 50%
XYZ	12.8961, 10.3226, 8.7102
YIQ	91.8900, 30.0290, 11.9570

Conversions

Conversions Part 2

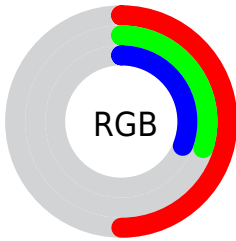
Format	Color
R_{YB}	128, 76, 79
Decimal	8408143
CIE Lab	38.42, 22.38, 7.64
CIE LCh	38, 23.648, 18.858
Yxy	10.3226, 0.4039, 0.3233
Android (android.graphics.Color)	4286598223 (0xFF804C4F)
YUV	91.8900, -6.3548, 31.6685
Hunter-Lab	32.1288, 15.4221, 6.4165

Details

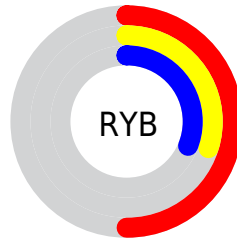
The Yxy color **10.3226, 0.4039, 0.3233** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4517, 0.2616, 0.3352**, and the grayscale version is **10.6860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4253, 0.3785, 0.3263**, and **2.5864, 0.4556, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **8.5713, 0.4397, 0.3221**, and if you desaturate by 10%, it is **12.4577, 0.3740, 0.3247**.

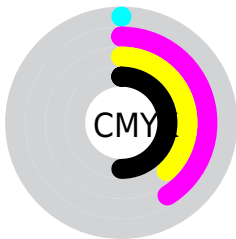
Distribution



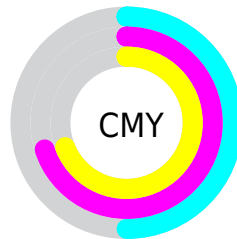
- Red (50%)
- Green (30%)
- Blue (31%)



- Red (50%)
- Yellow (30%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (38%)
- Black (50%)




- Cyan (50%)
- Magenta (70%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3226, 0.4039, 0.3233 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 10.3226, 0.4039, 0.3233 by changing the saturation by 10% instead.


 10.3226, 0.4039,
0.3233


 10.3226, 0.4039,
0.3233


192.9593, 0.3467,
0.3281


 5.6134, 0.4246,
0.3207

 26.4005, 0.3791,
0.3258


 2.6114, 0.4572,
0.3156

 38.5380, 0.3712,
0.3265


 0.9324, 0.5281,
0.3116

 53.9204, 0.3649,
0.3269

 0.0000, 1.0000,
0.0000

 72.9321, 0.3598,
0.3273

 0.0000, 0.0000,
0.0000

 95.9574, 0.3557,
0.3276

123.3807, 0.3522,

0.3278

155.5866, 0.3492,
0.3279

■ 10.3226, 0.4039,
0.3233

■ 10.3226, 0.4039,
0.3233

■ 8.5713, 0.4397,
0.3221

■ 12.4577, 0.3740,
0.3247

■ 7.1795, 0.4809,
0.3213

■ 14.9959, 0.3495,
0.3262

■ 6.1229, 0.5254,
0.3213


■ 17.9569, 0.3296,
0.3276


■ 5.3731, 0.5689,
0.3222

■ 21.3589, 0.3136,
0.3289

■ 4.8974, 0.6053,
0.3241

■ 25.2187, 0.3006,
0.3302

 4.6041, 0.6308,
0.3248

 29.5525, 0.2901,
0.3313

 34.3757, 0.2814,
0.3323

 39.7029, 0.2743,
0.3332

 45.5480, 0.2685,
0.3341

Harmonies

Analogous

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



10.3226, 0.3586, 0.2843



10.3226, 0.4039, 0.3233



10.3226, 0.4219, 0.3661

Triad

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



10.3226, 0.4039, 0.3233



10.3226, 0.3149, 0.4198



10.3226, 0.2235, 0.2494

Complementary

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



10.3226, 0.4039, 0.3233



18.4517, 0.2616, 0.3352

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.



10.3226, 0.2144, 0.2772



10.3226, 0.4039, 0.3233



10.3226, 0.2641, 0.3798

Square

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



10.3226, 0.4039, 0.3233



10.3226, 0.3675, 0.4271



10.3226, 0.2284, 0.3246



10.3226, 0.2543, 0.2430

Rectangle

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



10.3226, 0.4039, 0.3233



10.3226, 0.4157, 0.3929



10.3226, 0.2284, 0.3246



10.3226, 0.2180, 0.2563

Sweetspot

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



10.3231, 0.4039, 0.3233



30.7013, 0.3326, 0.3274



11.0526, 0.3118, 0.2318



7.0560, 0.3346, 0.3272



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.



10.3231, 0.4039, 0.3233



15.2283, 0.4378, 0.3222



13.9455, 0.3917, 0.3736



4.3480, 0.3270, 0.3278



4.5666, 0.6307, 0.3248



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3231, 0.4039, 0.3233



15.2283, 0.4378, 0.3222



13.2928, 0.2515, 0.2791



4.3480, 0.3270, 0.3278



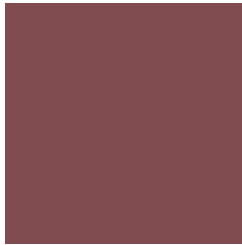
4.5666, 0.6307, 0.3248



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.3226, 0.4039, 0.3233 looks on a white background.

Color Contrast Check

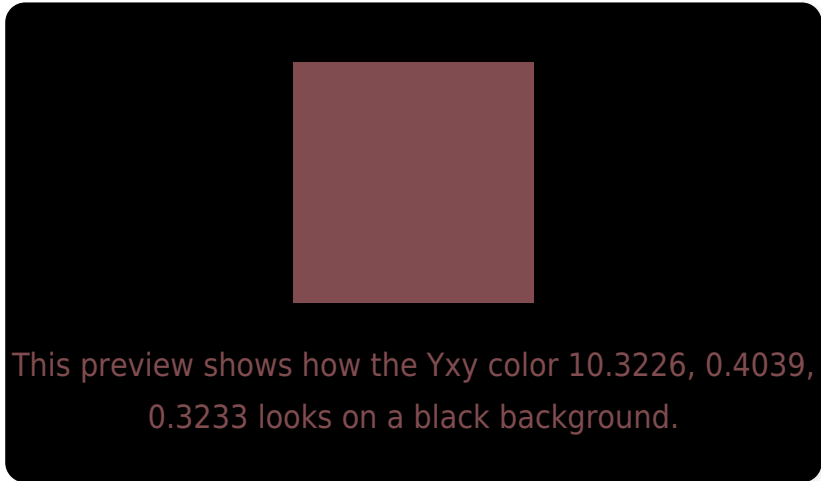
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

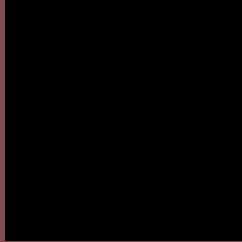
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3226, 0.4039, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 10.3226, 0.4039, 0.3233.



This preview shows how white text looks on a background with the Yxy color 10.3226, 0.4039, 0.3233.

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

10.3226, 0.4039, 0.3233

Protanopia

10.5500, 0.3235, 0.3387

Deuteranopia

10.3555, 0.3597, 0.3523



Tritanopia

10.3522, 0.4001, 0.3193

Trichromacy



Original Color

10.3226, 0.4039, 0.3233

Protanomaly

10.3598, 0.3502, 0.3337

Deuteranomaly

10.2473, 0.3745, 0.3402

Tritanomaly

10.3373, 0.4020, 0.3213

Monochromacy



Original Color

10.3226, 0.4039, 0.3233

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3470, 0.3434, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3226, 0.4039, 0.3233 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, 76, 79)` looks like.

```
.text, #text, p{  
    color:rgb(128, 76, 79)  
}
```

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, 76, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 76, 79) }
```

Border

The CSS property to change the border of an element to Yxy 10.3226, 0.4039, 0.3233 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, 76, 79) }
```

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

```
.border{ border-color:rgb(128, 76, 79) }
```

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

Here you see how a box with a 4 pixel rgb(128, 76, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 76, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 76, 79);  
box-shadow:4px 4px 4px 4px rgb(128, 76,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3226, 0.4039, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 76, 79) }
```

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

```
.background{ background-color: rgb(128, 76,  
79) }
```

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