

Converting Colors

$Y_{xy}(12.3384, 0.4356, 0.4366)$

Have a look what the booklet for
Yxy(12.3384, 0.4356, 0.4366)
contains.

Yxy(12.3958, 0.4346, 0.4365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3958, 0.4346, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	795F27
RGB	121, 95, 39
RGB Percent	47%, 37%, 15%
CMY	0.5255, 0.6274, 0.8471
CMYK	0.00, 0.21, 0.68, 0.53
HSL	41°, 51%, 31%
HSV	41°, 68%, 47%
XYZ	12.3418, 12.3958, 3.6605
YIQ	96.3900, 33.4720, -11.9040

Conversions

Conversions Part 2

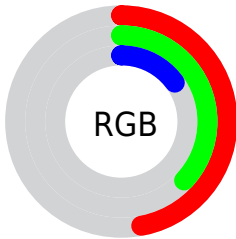
Format	Color
R_{YB}	77, 121, 39
Decimal	7954215
CIE Lab	41.84, 3.89, 35.17
CIE LCh	42, 35.386, 83.691
Yxy	12.3958, 0.4346, 0.4365
Android (android.graphics.Color)	4286144295 (0xFF795F27)
YUV	96.3900, -28.2933, 21.5830
Hunter-Lab	35.2077, 0.9587, 18.4810

Details

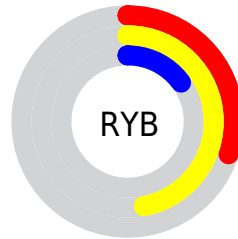
The Yxy color **12.3958, 0.4346, 0.4365** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.5878, 0.2018, 0.1826**, and the grayscale version is **11.8610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1690, 0.4065, 0.4122**, and **3.4987, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **11.6549, 0.4527, 0.4457**, and if you desaturate by 10%, it is **13.1975, 0.4153, 0.4239**.

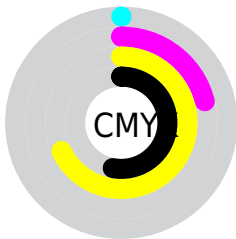
Distribution



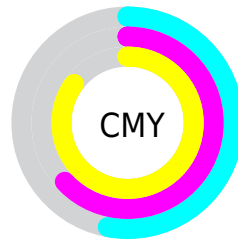
- Red (47%)
- Green (37%)
- Blue (15%)



- Red (30%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (21%)
- Yellow (68%)
- Black (53%)




- Cyan (53%)
- Magenta (63%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3958, 0.4346, 0.4365 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 12.3958, 0.4346, 0.4365 by changing the saturation by 10% instead.


 12.3958, 0.4346,
0.4365

 12.3958, 0.4346,
0.4365


 207.0083, 0.3632,
0.3752


 7.0138, 0.4547,
0.4523


 30.2140, 0.4063,
0.4130


 3.4708, 0.4928,
0.4831

 43.4189, 0.3963,
0.4044


 1.3822, 0.5112,
0.4888

 60.0004, 0.3882,
0.3973

 0.2035, 0.5863,
0.4137

 80.3427, 0.3814,
0.3914

 0.0000, 0.0000,
0.0000

 104.8302, 0.3758,
0.3864

 133.8474, 0.3709,

0.3821

167.7786, 0.3668,
0.3784

12.3958, 0.4346,
0.4365

12.3958, 0.4346,
0.4365

11.6549, 0.4527,
0.4457

13.1975, 0.4153,
0.4239

10.9700, 0.4686,
0.4508

14.0608, 0.3955,
0.4088

10.3348, 0.4826,
0.4522

14.9888, 0.3761,
0.3924

10.1982, 0.4858,
0.4525

15.9837, 0.3576,
0.3752

17.0476, 0.3402,
0.3581

■ 18.1825, 0.3242,
0.3414

■ 19.3903, 0.3096,
0.3255

■ 20.6728, 0.2964,
0.3106

■ 22.0315, 0.2846,
0.2966

Harmonies

Analogous

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



12.3958, 0.4644, 0.3835



12.3958, 0.4346, 0.4365



12.3958, 0.3738, 0.4691

Triad

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



12.3958, 0.4346, 0.4365



12.3958, 0.1926, 0.3077



12.3958, 0.3099, 0.2356

Complementary

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



12.3958, 0.4346, 0.4365



5.5878, 0.2018, 0.1826

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.



12.3958, 0.2411, 0.2148



12.3958, 0.4346, 0.4365



12.3958, 0.1805, 0.2472

Square

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



12.3958, 0.4346, 0.4365



12.3958, 0.2345, 0.3893



12.3958, 0.1970, 0.2173



12.3958, 0.3887, 0.2752

Rectangle

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



12.3958, 0.4346, 0.4365



12.3958, 0.3252, 0.4663



12.3958, 0.1970, 0.2173



12.3958, 0.2848, 0.2263

Sweetspot

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



12.3964, 0.4346, 0.4365



30.0039, 0.3448, 0.3627



5.9113, 0.4497, 0.2769



6.7618, 0.3487, 0.3666



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.



12.3964, 0.4346, 0.4365



20.2200, 0.4614, 0.4490



16.9631, 0.3827, 0.4880



4.4299, 0.3262, 0.3436



10.9112, 0.4861, 0.4522



50.4664, 0.4904, 0.4488

Inverse Universe

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



5.5878, 0.2018, 0.1826



7.2054, 0.1808, 0.1457



3.5780, 0.2032, 0.1293



4.0817, 0.2994, 0.3140



2.9690, 0.1637, 0.1094



12.7903, 0.1613, 0.1006

Previews

White Background



This preview shows how the Yxy color 12.3958, 0.4346, 0.4365 looks on a white background.

Color Contrast Check

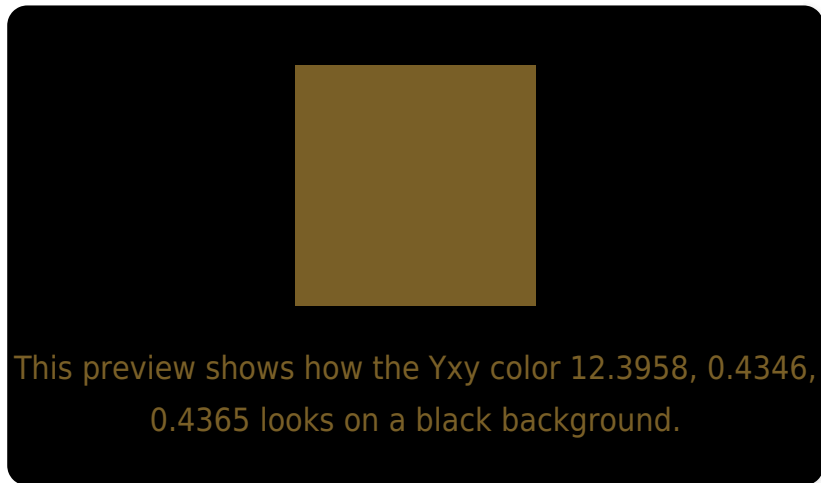
Large Text (above 18pt) WCAG AA ✓ Pass

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

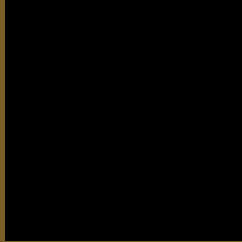
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3958, 0.4346, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 12.3958, 0.4346, 0.4365.



This preview shows how white text looks on a background with the Yxy color 12.3958, 0.4346, 0.4365.

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

12.3958, 0.4346, 0.4365

Protanopia

12.3919, 0.4104, 0.4511

Deuteranopia

12.3628, 0.4392, 0.4331



Tritanopia

12.3493, 0.3608, 0.3151

Trichromacy



Original Color

12.3958, 0.4346, 0.4365

Protanomaly

12.4660, 0.4182, 0.4460

Deuteranomaly

12.2895, 0.4376, 0.4339

Tritanomaly

12.2753, 0.3928, 0.3619

Monochromacy



Original Color

12.3958, 0.4346, 0.4365

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8770, 0.3579, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3958, 0.4346, 0.4365 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(121, 95, 39)` looks like.

```
.text, #text, p{  
    color:rgb(121, 95, 39)  
}
```

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(121, 95, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 95, 39) }
```

Border

The CSS property to change the border of an element to Yxy 12.3958, 0.4346, 0.4365 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(121, 95, 39) }
```

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

```
.border{ border-color:rgb(121, 95, 39) }
```

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

Here you see how a box with a 4 pixel rgb(121, 95, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 95, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 95, 39);  
box-shadow:4px 4px 4px 4px rgb(121, 95,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3958, 0.4346, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 95, 39) }
```

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

```
.background{ background-color: rgb(121, 95,  
39) }
```

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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