

Converting Colors

$Y_{xy}(17.1886, 0.5702, 0.3844)$

Have a look what the booklet for
Yxy(17.1886, 0.5702, 0.3844)
contains.

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Color

Yxy(17.1889, 0.5702, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	C44E02
RGB	196, 78, 2
RGB Percent	77%, 31%, 1%
CMY	0.2314, 0.6940, 0.9923
CMYK	0.00, 0.60, 0.99, 0.23
HSL	24°, 98%, 39%
HSV	24°, 99%, 77%
XYZ	25.4972, 17.1889, 2.0301
YIQ	104.6180, 94.7240, 1.3800

Conversions

Conversions Part 2

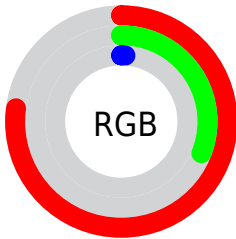
Format	Color
RYB	196, 127, 2
Decimal	12865026
CIELab	48.50, 44.46, 58.17
CIElCh	48, 73.216, 52.606
Yxy	17.1889, 0.5702, 0.3844
Android (android.graphics.Color)	4291055106 (0xFFC44E02)
YUV	104.6180, -50.5907, 80.1420
Hunter-Lab	41.4595, 37.2215, 26.1184

Details

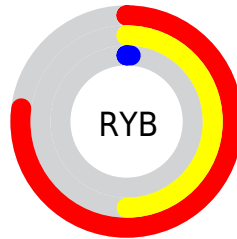
The Yxy color **17.1889, 0.5702, 0.3844** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.4115, 0.1880, 0.1961**, and the grayscale version is **14.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8295, 0.5170, 0.3896**, and **5.6811, 0.6189, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **17.0177, 0.5726, 0.3836**, and if you desaturate by 10%, it is **19.0917, 0.5456, 0.3923**.

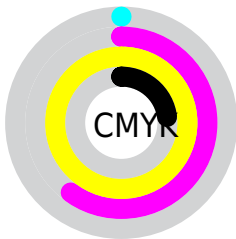
Distribution



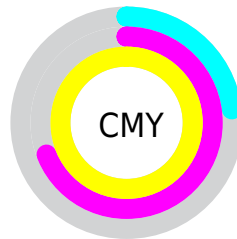
- Red (77%)
- Green (31%)
- Blue (1%)



- Red (77%)
- Yellow (50%)
- Blue (1%)



- Cyan (0%)
- Magenta (60%)
- Yellow (99%)
- Black (23%)





- Cyan (23%)
- Magenta (69%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1889, 0.5702, 0.3844 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 17.1889, 0.5702, 0.3844 by changing the saturation by 10% instead.


 17.1889, 0.5702,
0.3844


 17.1889, 0.5702,
0.3844


 236.2586, 0.4315,
0.3740


 10.3693, 0.6024,
0.3768


 38.6503, 0.5207,
0.3878


 5.6445, 0.6398,
0.3602

 54.0608, 0.5015,
0.3866

 2.6301, 0.6757,
0.3243

 73.1038, 0.4851,
0.3848


 0.9418, 0.7317,
0.2683

 96.1635, 0.4711,
0.3827

 0.0000, 1.0000,
0.0000

 123.6245, 0.4591,
0.3804

 0.0000, 0.0000,
0.0000

 155.8711, 0.4487,

0.3782

193.2876, 0.4396,
0.3760

17.1889, 0.5702,
0.3844

17.1889, 0.5702,
0.3844

17.0177, 0.5726,
0.3836

19.0917, 0.5456,
0.3923

21.3687, 0.5163,
0.3955

24.0504, 0.4842,
0.3936

27.1590, 0.4518,
0.3878

30.7149, 0.4210,
0.3793

■ 34.7368, 0.3928,
0.3693

■ 39.2422, 0.3678,
0.3586

■ 44.2477, 0.3461,
0.3480

■ 49.7688, 0.3273,
0.3377

Harmonies

Analogous

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



17.1889, 0.5567, 0.3049



17.1889, 0.5702, 0.3844



17.1889, 0.5013, 0.4773

Triad

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



17.1889, 0.5702, 0.3844



17.1889, 0.1728, 0.4508



17.1889, 0.1868, 0.1472

Complementary

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



17.1889, 0.5702, 0.3844



17.4115, 0.1880, 0.1961

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.



17.1889, 0.1265, 0.1476



17.1889, 0.5702, 0.3844



17.1889, 0.1159, 0.2813

Square

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



17.1889, 0.5702, 0.3844



17.1889, 0.2756, 0.5864



17.1889, 0.1041, 0.1848



17.1889, 0.2965, 0.1764

Rectangle

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



17.1889, 0.5702, 0.3844



17.1889, 0.4313, 0.5419



17.1889, 0.1041, 0.1848



17.1889, 0.1617, 0.1439

Sweetspot

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



17.1899, 0.5702, 0.3844



69.8455, 0.3713, 0.3602



13.1716, 0.4461, 0.2237



14.1903, 0.3818, 0.3648



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.1899, 0.5702, 0.3844



30.3679, 0.5752, 0.3815



41.7587, 0.4410, 0.4875



10.7111, 0.3279, 0.3381



11.0934, 0.5701, 0.3855



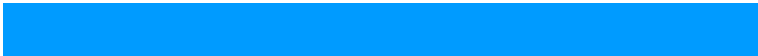
0.6136, 0.5289, 0.4182

Inverse Universe

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



17.4115, 0.1880, 0.1961



30.6738, 0.1868, 0.1924



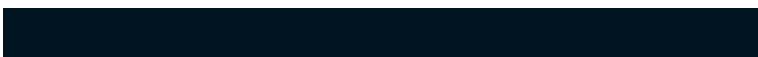
4.6756, 0.1528, 0.0692



10.7441, 0.2984, 0.3198



11.2348, 0.1880, 0.1966



0.6164, 0.1971, 0.2294

Previews

White Background



This preview shows how the Yxy color 17.1889, 0.5702, 0.3844 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 17.1889, 0.5702, 0.3844 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 17.1889, 0.5702, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 17.1889, 0.5702, 0.3844.



This preview shows how white text looks on a background with the Yxy color 17.1889, 0.5702, 0.3844.

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

17.1889, 0.5702, 0.3844

Protanopia

17.3631, 0.4340, 0.4793

Deuteranopia

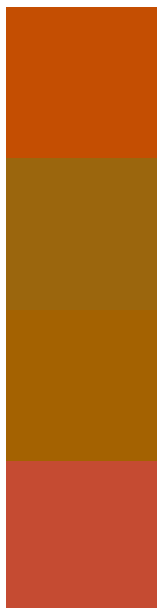
17.2629, 0.4697, 0.4652



Tritanopia

17.3067, 0.5072, 0.3250

Trichromacy



Original Color

17.1889, 0.5702, 0.3844

Protanomaly

16.5004, 0.4899, 0.4407

Deuteranomaly

16.6301, 0.5111, 0.4318

Tritanomaly

17.1328, 0.5419, 0.3555

Monochromacy



Original Color

17.1889, 0.5702, 0.3844

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0050, 0.4224, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1889, 0.5702, 0.3844 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(196, 78, 2)` looks like.

```
.text, #text, p{  
    color:rgb(196, 78, 2)  
}
```

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(196, 78, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 78, 2) }
```

Border

The CSS property to change the border of an element to Yxy 17.1889, 0.5702, 0.3844 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(196, 78, 2) }
```

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

```
.border{ border-color:rgb(196, 78, 2) }
```

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

Here you see how a box with a 4 pixel rgb(196, 78, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 78, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 78, 2);  
box-shadow:4px 4px 4px 4px rgb(196, 78, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.1889, 0.5702, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 78, 2) }
```

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

```
.background{ background-color: rgb(196, 78,  
2) }
```

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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