

Converting Colors

$Y_{xy}(17.6865, 0.5704, 0.3832)$

Have a look what the booklet for
Yxy(17.6865, 0.5704, 0.3832)
contains.

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Color

Yxy(17.7428, 0.5700, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	C74F04
RGB	199, 79, 4
RGB Percent	78%, 31%, 2%
CMY	0.2196, 0.6902, 0.9841
CMYK	0.00, 0.60, 0.98, 0.22
HSL	23°, 96%, 40%
HSV	23°, 98%, 78%
XYZ	26.3713, 17.7428, 2.1513
YIQ	106.3300, 95.5950, 2.1150

Conversions

Conversions Part 2

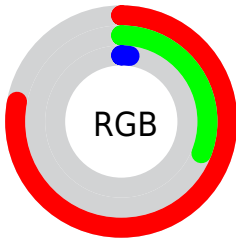
Format	Color
R_{YB}	199, 126, 4
Decimal	13061892
CIE _{Lab}	49.18, 45.15, 58.32
CIE _{LCh}	49, 73.753, 52.250
Yxy	17.7428, 0.5700, 0.3835
Android (android.graphics.Color)	4291251972 (0xFFC74F04)
YUV	106.3300, -50.4487, 81.2716
Hunter-Lab	42.1222, 38.0390, 26.4574

Details

The Yxy color **17.7428, 0.5700, 0.3835** 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 **18.5789, 0.1893, 0.2001**, and the grayscale version is **14.6330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1103, 0.5153, 0.3900**, and **5.9716, 0.6186, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **17.3808, 0.5749, 0.3818**, and if you desaturate by 10%, it is **19.7338, 0.5448, 0.3913**.

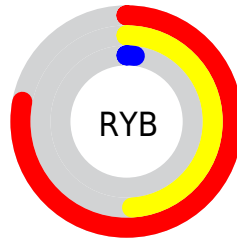
Distribution



Red (78%)

Green (31%)

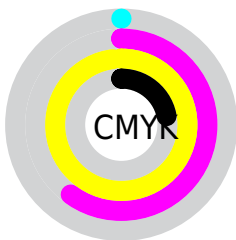
Blue (2%)



Red (78%)

Yellow (49%)

Blue (2%)

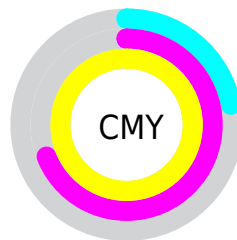


Cyan (0%)

Magenta (60%)

Yellow (98%)

Black (22%)



Cyan (22%)


Magenta (69%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7428, 0.5700, 0.3835 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 17.7428, 0.5700, 0.3835 by changing the saturation by 10% instead.


 17.7428, 0.5700,
0.3835


 17.7428, 0.5700,
0.3835


239.4173, 0.4319,
0.3735


 10.7655, 0.6017,
0.3758


 39.5986, 0.5208,
0.3869


 5.9094, 0.6399,
0.3601

 55.2458, 0.5016,
0.3858

 2.7900, 0.6750,
0.3250

 74.5518, 0.4853,
0.3841

 1.0231, 0.7296,
0.2704

 97.9010, 0.4714,
0.3820


 0.0000, 1.0000,
0.0000


 125.6778, 0.4594,
0.3798


 0.0000, 0.0000,
0.0000


 158.2665, 0.4490,


0.3776


 196.0515, 0.4399,
0.3755


 17.7428, 0.5700,
0.3835


 17.7428, 0.5700,
0.3835


 17.3808, 0.5749,
0.3818

 19.7338, 0.5448,
0.3913

 22.1241, 0.5148,
0.3940

 24.9438, 0.4822,
0.3919

 28.2162, 0.4495,
0.3859

 31.9629, 0.4185,
0.3774

■ 36.2037, 0.3904,
0.3675

■ 40.9571, 0.3656,
0.3570

■ 46.2406, 0.3441,
0.3466

■ 52.0708, 0.3255,
0.3365

Harmonies

Analogous

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



17.7428, 0.5552, 0.3042



17.7428, 0.5700, 0.3835



17.7428, 0.5021, 0.4759

Triad

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



17.7428, 0.5700, 0.3835



17.7428, 0.1742, 0.4526



17.7428, 0.1861, 0.1474

Complementary

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



17.7428, 0.5700, 0.3835



18.5789, 0.1893, 0.2001

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.



17.7428, 0.1264, 0.1482



17.7428, 0.5700, 0.3835



17.7428, 0.1168, 0.2832

Square

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



17.7428, 0.5700, 0.3835



17.7428, 0.2772, 0.5861



17.7428, 0.1045, 0.1860



17.7428, 0.2950, 0.1763

Rectangle

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



17.7428, 0.5700, 0.3835



17.7428, 0.4325, 0.5404



17.7428, 0.1045, 0.1860



17.7428, 0.1613, 0.1442

Sweetspot

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



17.7438, 0.5700, 0.3835



70.4352, 0.3691, 0.3585



13.6924, 0.4445, 0.2233



14.2934, 0.3796, 0.3631



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.



17.7438, 0.5700, 0.3835



30.0020, 0.5774, 0.3798



43.3023, 0.4406, 0.4873



11.2943, 0.3280, 0.3379



11.3342, 0.5724, 0.3837



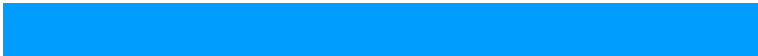
0.6764, 0.5335, 0.4146

Inverse Universe

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



18.5789, 0.1893, 0.2001



31.3220, 0.1876, 0.1952



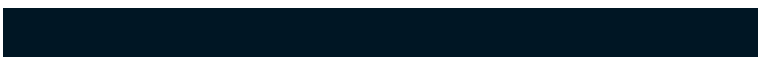
4.9247, 0.1533, 0.0703



11.3562, 0.2984, 0.3199



11.8539, 0.1887, 0.1991



0.6984, 0.1970, 0.2292

Previews

White Background



This preview shows how the Yxy color 17.7428, 0.5700, 0.3835 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 17.7428, 0.5700, 0.3835 looks on a black 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

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

Yxy 17.7428, 0.5700, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 17.7428, 0.5700, 0.3835.



This preview shows how white text looks on a background with the Yxy color 17.7428, 0.5700, 0.3835.

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

17.7428, 0.5700, 0.3835

Protanopia

17.9129, 0.4321, 0.4802

Deuteranopia

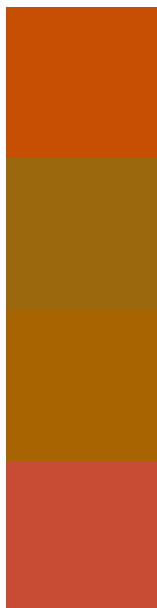
17.8842, 0.4690, 0.4658



Tritanopia

17.8651, 0.5078, 0.3250

Trichromacy



Original Color

17.7428, 0.5700, 0.3835

Protanomaly

17.0003, 0.4874, 0.4421

Deuteranomaly

17.3320, 0.5109, 0.4320

Tritanomaly

17.6873, 0.5421, 0.3551

Monochromacy



Original Color

17.7428, 0.5700, 0.3835

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3709, 0.4230, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7428, 0.5700, 0.3835 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(199, 79, 4)` looks like.

```
.text, #text, p{  
    color:rgb(199, 79, 4)  
}
```

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(199, 79, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 79, 4) }
```

Border

The CSS property to change the border of an element to Yxy 17.7428, 0.5700, 0.3835 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(199, 79, 4) }
```

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

```
.border{ border-color:rgb(199, 79, 4) }
```

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

Here you see how a box with a 4 pixel rgb(199, 79, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 79, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 79, 4);  
box-shadow:4px 4px 4px 4px rgb(199, 79, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7428, 0.5700, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 79, 4) }
```

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

```
.background{ background-color: rgb(199, 79,  
4) }
```

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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