

Converting Colors

$Y_{xy}(17.6879, 0.5784, 0.3996)$

Have a look what the booklet for
Yxy(17.6879, 0.5784, 0.3996)
contains.

Yxy(17.7703, 0.5651, 0.3895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7703, 0.5651, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	C45200
RGB	196, 82, 0
RGB Percent	77%, 32%, 0%
CMY	0.2314, 0.6784, 1.0000
CMYK	0.00, 0.58, 1.00, 0.23
HSL	25°, 100%, 38%
HSV	25°, 100%, 77%
XYZ	25.7818, 17.7703, 2.0713
YIQ	106.7380, 94.2660, -1.3340

Conversions

Conversions Part 2

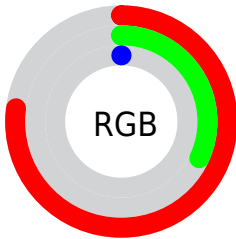
Format	Color
R_{YB}	196, 141, 0
Decimal	12866048
CIE _{Lab}	49.22, 42.56, 59.05
CIE _{LCh}	49, 72.791, 54.219
Yxy	17.7703, 0.5651, 0.3895
Android (android.graphics.Color)	4291056128 (0xFFC45200)
YUV	106.7380, -52.6218, 78.2828
Hunter-Lab	42.1548, 35.3991, 26.5951

Details

The Yxy color **17.7703, 0.5651, 0.3895** 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 **16.0193, 0.1848, 0.1853**, and the grayscale version is **14.7568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6364, 0.5146, 0.3931**, and **5.9471, 0.6105, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **17.7705, 0.5651, 0.3895**, and if you desaturate by 10%, it is **19.6850, 0.5416, 0.3973**.

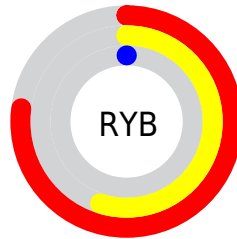
Distribution



Red (77%)

Green (32%)

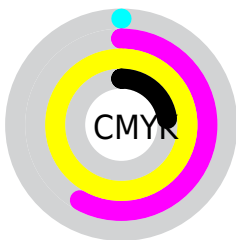
Blue (0%)



Red (77%)

Yellow (55%)

Blue (0%)

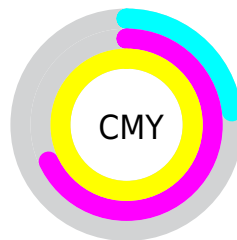


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (68%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7703, 0.5651, 0.3895 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 17.7703, 0.5651, 0.3895 by changing the saturation by 10% instead.


 17.7703, 0.5651,
0.3895


 17.7703, 0.5651,
0.3895


 239.5731, 0.4301,
0.3761


 10.7852, 0.5960,
0.3828

 39.6455, 0.5172,
0.3916


 5.9226, 0.6322,
0.3678

 55.3045, 0.4985,
0.3901


 2.7981, 0.6661,
0.3339

 74.6234, 0.4825,
0.3879

 1.0272, 0.7192,
0.2808

 97.9869, 0.4689,
0.3855


 0.0000, 1.0000,
0.0000

 125.7792, 0.4571,
0.3830

 0.0000, 0.0000,
0.0000


 158.3847, 0.4469,


0.3806


 196.1879, 0.4380,
0.3783

 17.7703, 0.5651,
0.3895


 17.7703, 0.5651,
0.3895


 17.7705, 0.5651,
0.3895

 19.6850, 0.5416,
0.3973

 21.9472, 0.5140,
0.4005

 24.5877, 0.4833,
0.3986

 27.6271, 0.4521,
0.3925

 31.0841, 0.4220,
0.3836

■ 34.9761, 0.3944,
0.3730

■ 39.3191, 0.3696,
0.3617

■ 44.1282, 0.3478,
0.3503

■ 49.4179, 0.3290,
0.3394

Harmonies

Analogous

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



17.7703, 0.5564, 0.3099



17.7703, 0.5651, 0.3895



17.7703, 0.4947, 0.4818

Triad

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



17.7703, 0.5651, 0.3895



17.7703, 0.1707, 0.4389



17.7703, 0.1930, 0.1500

Complementary

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



17.7703, 0.5651, 0.3895



16.0193, 0.1848, 0.1853

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.



17.7703, 0.1307, 0.1489



17.7703, 0.5651, 0.3895



17.7703, 0.1167, 0.2754

Square

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



17.7703, 0.5651, 0.3895



17.7703, 0.2708, 0.5781



17.7703, 0.1067, 0.1837



17.7703, 0.3042, 0.1806

Rectangle

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



17.7703, 0.5651, 0.3895



17.7703, 0.4249, 0.5445



17.7703, 0.1067, 0.1837



17.7703, 0.1673, 0.1462

Sweetspot

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



17.7713, 0.5651, 0.3895



70.8385, 0.3707, 0.3622



12.9581, 0.4616, 0.2316



14.4230, 0.3810, 0.3671



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.



17.7713, 0.5651, 0.3895



31.7110, 0.5677, 0.3874



44.2426, 0.4348, 0.4930



10.7549, 0.3279, 0.3387



11.5807, 0.5627, 0.3914



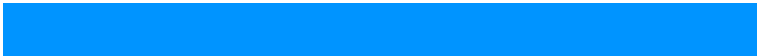
0.6364, 0.5231, 0.4228

Inverse Universe

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



16.0193, 0.1848, 0.1853



28.4970, 0.1842, 0.1829



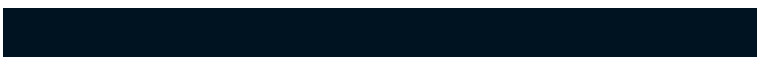
4.3662, 0.1514, 0.0651



10.6992, 0.2984, 0.3191



10.4662, 0.1854, 0.1874



0.5859, 0.1951, 0.2223

Previews

White Background



This preview shows how the Yxy color 17.7703, 0.5651, 0.3895 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 17.7703, 0.5651, 0.3895 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 17.7703, 0.5651, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 17.7703, 0.5651, 0.3895.



This preview shows how white text looks on a background with the Yxy color 17.7703, 0.5651, 0.3895.

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

17.7703, 0.5651, 0.3895

Protanopia

17.9904, 0.4339, 0.4799

Deuteranopia

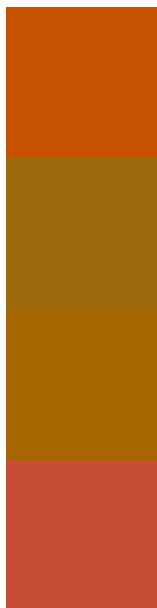
17.9779, 0.4703, 0.4648



Tritanopia

17.7687, 0.4983, 0.3237

Trichromacy



Original Color

17.7703, 0.5651, 0.3895

Protanomaly

17.1976, 0.4865, 0.4444

Deuteranomaly

17.4144, 0.5085, 0.4345

Tritanomaly

17.5670, 0.5361, 0.3571

Monochromacy



Original Color

17.7703, 0.5651, 0.3895

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6417, 0.4209, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7703, 0.5651, 0.3895 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, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 82, 0)  
}
```

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, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7703, 0.5651, 0.3895 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, 82, 0) }
```

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

```
.border{ border-color:rgb(196, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 82, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7703, 0.5651, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 82, 0) }
```

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

```
.background{ background-color: rgb(196, 82,  
0) }
```

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