

# Converting Colors

$Y_{xy}(19.5503, 0.5512, 0.3975)$

Have a look what the booklet for  
Yxy(19.5503, 0.5512, 0.3975)  
contains.

<b>Yxy(19.5011, 0.5515, 0.3974)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(19.5011, 0.5515, 0.3974)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C65B06
RGB	198, 91, 6
RGB Percent	78%, 36%, 2%
CMY	0.2235, 0.6431, 0.9768
CMYK	0.00, 0.54, 0.97, 0.22
HSL	27°, 94%, 40%
HSV	27°, 97%, 78%
XYZ	27.0631, 19.5011, 2.5076
YIQ	113.3030, 91.0570, -3.7510

# Conversions

## Conversions Part 2

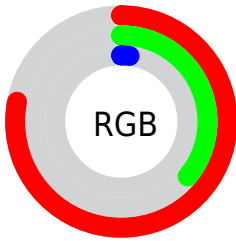
Format	Color
R <sub>Y</sub> B	198, 159, 6
Decimal	12999430
CIE Lab	51.27, 38.99, 59.08
CIE LCh	51, 70.784, 56.576
Yxy	19.5011, 0.5515, 0.3974
Android (android.graphics.Color)	4291189510 (0xFFC65B06)
YUV	113.3030, -52.9004, 74.2793
Hunter-Lab	44.1600, 32.1119, 27.5453

# Details

The Yxy color **19.5011, 0.5515, 0.3974** 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 **15.9075, 0.1843, 0.1813**, and the grayscale version is **16.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2866, 0.5024, 0.3988**, and **6.8359, 0.5939, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **18.9377, 0.5581, 0.3950**, and if you desaturate by 10%, it is **21.5891, 0.5280, 0.4039**.

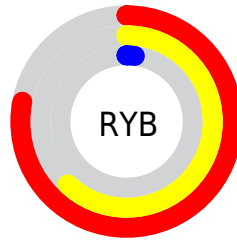
# Distribution



Red (78%)

Green (36%)

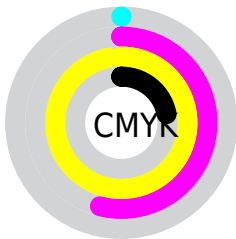
Blue (2%)



Red (78%)

Yellow (62%)

Blue (2%)

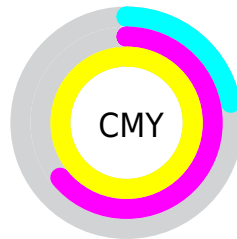


Cyan (0%)

Magenta (54%)

Yellow (97%)

Black (22%)



Cyan (22%)

Magenta (64%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5011, 0.5515, 0.3974 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 19.5011, 0.5515, 0.3974 by changing the saturation by 10% instead.





 19.5011, 0.5515,  
0.3974


 19.5011, 0.5515,  
0.3974


249.2013, 0.4250,  
0.3781

 12.0329, 0.5797,  
0.3928


 42.5791, 0.5067,  
0.3966


 6.7661, 0.6164,  
0.3836


 58.9578, 0.4892,  
0.3942


 3.3163, 0.6459,  
0.3541

 79.0754, 0.4743,  
0.3914

 1.2990, 0.6918,  
0.3082

 103.3163, 0.4615,  
0.3885

 0.1404, 0.8877,  
0.1123

 132.0650, 0.4504,  
0.3857


 0.0000, 1.0000,  
0.0000


 165.7058, 0.4408,


 0.0000, 0.0000,

0.3830


0.0000


 204.6231, 0.4324,  
0.3804

 19.5011, 0.5515,  
0.3974

 19.5011, 0.5515,  
0.3974


 18.9377, 0.5581,  
0.3950

 21.5891, 0.5280,  
0.4039

 24.0243, 0.5004,  
0.4050

 26.8304, 0.4706,  
0.4012

 30.0264, 0.4407,  
0.3936

 33.6294, 0.4121,  
0.3835

■ 37.6555, 0.3858,  
0.3720

■ 42.1194, 0.3624,  
0.3599

■ 47.0353, 0.3418,  
0.3480

■ 52.4165, 0.3238,  
0.3366

# Harmonies

## Analogous

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



19.5011, 0.5479, 0.3188



19.5011, 0.5515, 0.3974



19.5011, 0.4824, 0.4860

# Triad

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



19.5011, 0.5515, 0.3974



19.5011, 0.1724, 0.4192



19.5011, 0.2053, 0.1582

# Complementary

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



19.5011, 0.5515, 0.3974



15.9075, 0.1843, 0.1813

# 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.



19.5011, 0.1411, 0.1551



19.5011, 0.5515, 0.3974



19.5011, 0.1227, 0.2702

# Square

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



19.5011, 0.5515, 0.3974



19.5011, 0.2668, 0.5561



19.5011, 0.1150, 0.1866



19.5011, 0.3155, 0.1903



# Rectangle

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



19.5011, 0.5515, 0.3974



19.5011, 0.4152, 0.5425



19.5011, 0.1150, 0.1866



19.5011, 0.1790, 0.1539

# Sweetspot

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



19.5022, 0.5515, 0.3974



72.5937, 0.3678, 0.3629



13.3672, 0.4626, 0.2339



14.8026, 0.3779, 0.3681



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.



19.5022, 0.5515, 0.3974



33.0601, 0.5605, 0.3931



46.7998, 0.4305, 0.4949



11.3973, 0.3279, 0.3393



12.4801, 0.5559, 0.3968



0.7348, 0.5204, 0.4250



# Inverse Universe

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



15.9075, 0.1843, 0.1813



26.5795, 0.1817, 0.1742



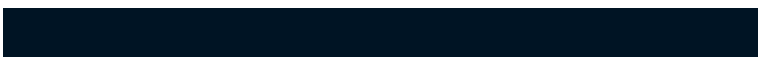
4.5721, 0.1525, 0.0664



11.2509, 0.2983, 0.3185



10.1181, 0.1830, 0.1787



0.6219, 0.1925, 0.2130



# Previews

## White Background



This preview shows how the Yxy color 19.5011, 0.5515, 0.3974 looks on a white 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



# Black Background



This preview shows how the Yxy color 19.5011, 0.5515, 0.3974 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 19.5011, 0.5515, 0.3974**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.5011, 0.5515, 0.3974.



This preview shows how white text looks on a background with the Yxy color 19.5011, 0.5515, 0.3974.

# 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

19.5011, 0.5515, 0.3974

### Protanopia

19.6162, 0.4337, 0.4812

### Deuteranopia

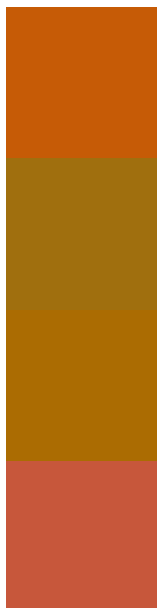
19.6911, 0.4697, 0.4653



## Tritanopia

19.5145, 0.4791, 0.3234

# Trichromacy



## Original Color

19.5011, 0.5515, 0.3974

## Protanomaly

18.8742, 0.4810, 0.4480

## Deuteranomaly

19.3874, 0.5017, 0.4388

## Tritanomaly

19.2743, 0.5195, 0.3608

# Monochromacy



## Original Color

19.5011, 0.5515, 0.3974

## Achromatopsia

16.5132, 0.3127, 0.3290

## Achromatomaly

16.5269, 0.4133, 0.3839

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.5011, 0.5515, 0.3974 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(198, 91, 6)` looks like.

```
.text, #text, p{  
  color:rgb(198, 91, 6)  
}
```

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(198, 91, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 91, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 19.5011, 0.5515, 0.3974 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(198, 91, 6) }
```

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

```
.border{ border-color:rgb(198, 91, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 91, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 91, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 91, 6);  
box-shadow:4px 4px 4px 4px rgb(198, 91, 6)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 19.5011, 0.5515, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 91, 6) }
```

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

```
.background{ background-color: rgb(198, 91,  
6) }
```

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