

# Converting Colors

$Y_{xy}(19.9579, 0.5451, 0.4013)$

Have a look what the booklet for  
Yxy(19.9579, 0.5451, 0.4013)  
contains.

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**Color**

**Yxy(19.8933, 0.5457, 0.4010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C55E08
RGB	197, 94, 8
RGB Percent	77%, 37%, 3%
CMY	0.2275, 0.6313, 0.9684
CMYK	0.00, 0.52, 0.96, 0.23
HSL	27°, 92%, 40%
HSV	27°, 96%, 77%
XYZ	27.0718, 19.8933, 2.6442
YIQ	114.9930, 88.9940, -4.9100

# Conversions

## Conversions Part 2

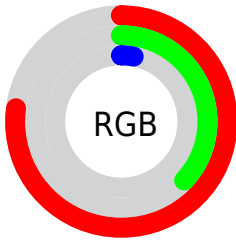
Format	Color
<a href="#">RYB</a>	<a href="#">197, 166, 8</a>
Decimal	<a href="#">12934664</a>
CIELab	<a href="#">51.72, 37.09, 58.84</a>
CIELCh	<a href="#">52, 69.553, 57.770</a>
Yxy	<a href="#">19.8933, 0.5457, 0.4010</a>
Android (android.graphics.Color)	<a href="#">4291124744</a> ( <a href="#">0xFFC55E08</a> )
YUV	<a href="#">114.9930, -52.7475, 71.9201</a>
Hunter-Lab	<a href="#">44.6019, 30.2898, 27.7064</a>

# Details

The Yxy color **19.8933, 0.5457, 0.4010** 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 **15.4608, 0.1839, 0.1792**, and the grayscale version is **17.2881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2230, 0.4982, 0.4004**, and **7.0356, 0.5860, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **19.1177, 0.5546, 0.3979**, and if you desaturate by 10%, it is **22.0040, 0.5223, 0.4067**.

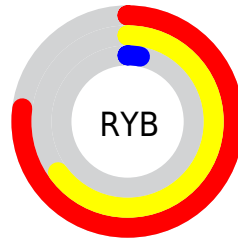
# Distribution



Red (77%)

Green (37%)

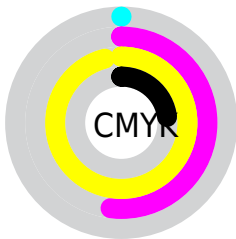
Blue (3%)



Red (77%)

Yellow (65%)

Blue (3%)

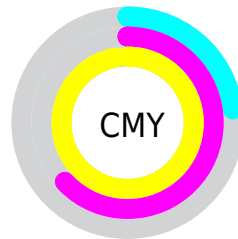


Cyan (0%)

Magenta (52%)

Yellow (96%)

Black (23%)



Cyan (23%)

Magenta (63%)


Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8933, 0.5457, 0.4010 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 19.8933, 0.5457, 0.4010 by changing the saturation by 10% instead.





 19.8933, 0.5457,  
0.4010


 19.8933, 0.5457,  
0.4010


251.3369, 0.4224,  
0.3790


 12.3175, 0.5731,  
0.3974


 43.2382, 0.5020,  
0.3989


 6.9603, 0.6098,  
0.3902


 59.7761, 0.4850,  
0.3961

 3.4373, 0.6378,  
0.3622

 80.0702, 0.4705,  
0.3931

 1.3641, 0.6814,  
0.3186

 104.5049, 0.4580,  
0.3900

 0.1900, 0.8539,  
0.1461

 133.4645, 0.4473,  
0.3869

 0.0000, 1.0000,  
0.0000

 167.3334, 0.4379,

 0.0000, 0.0000,

0.3841

0.0000

206.4961, 0.4297,  
0.3814

19.8933, 0.5457,  
0.4010

19.8933, 0.5457,  
0.4010

19.1177, 0.5546,  
0.3979

22.0040, 0.5223,  
0.4067

24.4509, 0.4949,  
0.4070

27.2554, 0.4656,  
0.4025

30.4354, 0.4363,  
0.3942

34.0069, 0.4083,  
0.3836

■ 37.9850, 0.3827,  
0.3717

■ 42.3838, 0.3598,  
0.3594

■ 47.2165, 0.3396,  
0.3472

■ 52.4956, 0.3220,  
0.3356

# Harmonies

## Analogous

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



19.8933, 0.5447, 0.3228



19.8933, 0.5457, 0.4010



19.8933, 0.4768, 0.4880

# Triad

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



19.8933, 0.5457, 0.4010



19.8933, 0.1726, 0.4106



19.8933, 0.2109, 0.1618

# Complementary

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



19.8933, 0.5457, 0.4010



15.4608, 0.1839, 0.1792

# 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.



19.8933, 0.1457, 0.1576



19.8933, 0.5457, 0.4010



19.8933, 0.1250, 0.2676

# Square

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



19.8933, 0.5457, 0.4010



19.8933, 0.2644, 0.5466



19.8933, 0.1185, 0.1874



19.8933, 0.3208, 0.1945



# Rectangle

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



19.8933, 0.5457, 0.4010



19.8933, 0.4105, 0.5417



19.8933, 0.1185, 0.1874



19.8933, 0.1843, 0.1571

# Sweetspot

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



19.8944, 0.5457, 0.4010



73.0424, 0.3676, 0.3638



13.2137, 0.4670, 0.2370



14.9087, 0.3776, 0.3691



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.



19.8944, 0.5457, 0.4010



33.7524, 0.5570, 0.3959



47.6605, 0.4271, 0.4970



11.4185, 0.3278, 0.3395



12.7379, 0.5524, 0.3996



0.7475, 0.5177, 0.4271

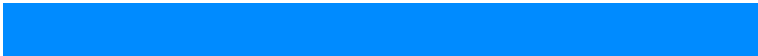


# Inverse Universe

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



15.4608, 0.1839, 0.1792



25.6832, 0.1806, 0.1700



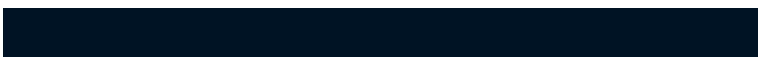
4.4996, 0.1527, 0.0661



11.2294, 0.2983, 0.3182



9.7889, 0.1818, 0.1745



0.6070, 0.1916, 0.2097



# Previews

## White Background



This preview shows how the Yxy color 19.8933, 0.5457, 0.4010 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 19.8933, 0.5457, 0.4010 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 19.8933, 0.5457, 0.4010**

## Background



This preview shows how black text looks on a background with the Yxy color 19.8933, 0.5457, 0.4010.



This preview shows how white text looks on a background with the Yxy color 19.8933, 0.5457, 0.4010.

# 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

19.8933, 0.5457, 0.4010

### Protanopia

20.0378, 0.4350, 0.4805

### Deuteranopia

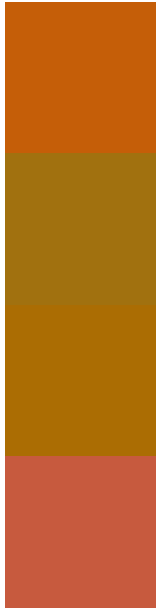
20.0248, 0.4693, 0.4655



## Tritanopia

19.8861, 0.4730, 0.3221

# Trichromacy



**Original Color**

19.8933, 0.5457, 0.4010

**Protanomaly**

19.4218, 0.4787, 0.4494

**Deuteranomaly**

19.6018, 0.4998, 0.4397

**Tritanomaly**

19.8022, 0.5126, 0.3615

# Monochromacy



**Original Color**

19.8933, 0.5457, 0.4010

**Achromatopsia**

17.1441, 0.3127, 0.3290

**Achromatomaly**

17.0569, 0.4102, 0.3836

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.8933, 0.5457, 0.4010 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(197, 94, 8)` looks like.

```
.text, #text, p{  
    color:rgb(197, 94, 8)  
}
```

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(197, 94, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 94, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 19.8933, 0.5457, 0.4010 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(197, 94, 8) }
```

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

```
.border{ border-color:rgb(197, 94, 8) }
```

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

Here you see how a box with a 4 pixel rgb(197, 94, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 94, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 94, 8);  
box-shadow:4px 4px 4px 4px rgb(197, 94, 8)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 19.8933, 0.5457, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 94, 8) }
```

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

```
.background{ background-color: rgb(197, 94,  
8) }
```

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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