

# Converting Colors

$Y_{xy}(18.9396, 0.5290, 0.4078)$

Have a look what the booklet for  
Yxy(18.9396, 0.5290, 0.4078)  
contains.

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**Color**

**Yxy(19.0322, 0.5285, 0.4083)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA6112
RGB	186, 97, 18
RGB Percent	73%, 38%, 7%
CMY	0.2706, 0.6196, 0.9295
CMYK	0.00, 0.48, 0.90, 0.27
HSL	28°, 82%, 40%
HSV	28°, 90%, 73%
XYZ	24.6351, 19.0322, 2.9460
YIQ	114.6050, 78.4030, -5.7010

# Conversions

## Conversions Part 2

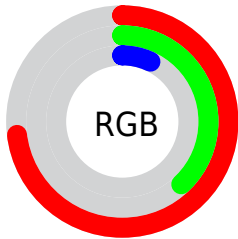
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 167, 18
Decimal	12214546
CIE Lab	50.72, 31.19, 55.00
CIE LCh	51, 63.227, 60.447
Yxy	19.0322, 0.5285, 0.4083
Android (android.graphics.Color)	4290404626 (0xFFBA6112)
YUV	114.6050, -47.6263, 62.6134
Hunter-Lab	43.6259, 24.4518, 26.5344

# Details

The Yxy color **19.0322, 0.5285, 0.4083** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.1847, 0.1866, 0.1842**, and the grayscale version is **17.1471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9192, 0.4863, 0.4027**, and **6.5495, 0.5695, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **17.3350, 0.5495, 0.4019**, and if you desaturate by 10%, it is **21.0559, 0.5034, 0.4105**.

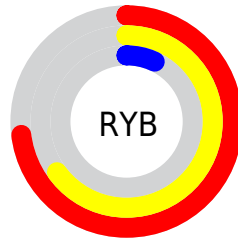
# Distribution



Red (73%)

Green (38%)

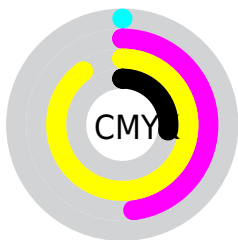
Blue (7%)



Red (73%)

Yellow (65%)

Blue (7%)

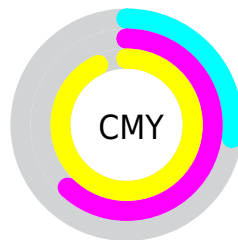


Cyan (0%)

Magenta (48%)

Yellow (90%)

Black (27%)



Cyan (27%)

Magenta (62%)


Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0322, 0.5285, 0.4083 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 19.0322, 0.5285, 0.4083 by changing the saturation by 10% instead.





 19.0322, 0.5285,  
0.4083


 19.0322, 0.5285,  
0.4083


246.6265, 0.4125,  
0.3790


 11.6935, 0.5553,  
0.4075


 41.7885, 0.4866,  
0.4026


 6.5354, 0.5941,  
0.4059


 57.9749, 0.4706,  
0.3987


 3.1733, 0.6198,  
0.3802

 77.8794, 0.4569,  
0.3949

 1.2228, 0.6610,  
0.3390

 101.8864, 0.4453,  
0.3912

 0.0802, 0.9126,  
0.0874

 130.3801, 0.4354,  
0.3878

 0.0000, 0.0000,  
0.0000


 163.7452, 0.4267,


0.3846


 202.3658, 0.4191,  
0.3817


 19.0322, 0.5285,  
0.4083


 19.0322, 0.5285,  
0.4083

 17.3350, 0.5495,  
0.4019

 21.0559, 0.5034,  
0.4105

 23.3718, 0.4755,  
0.4075

 25.9965, 0.4468,  
0.4003

 28.9438, 0.4188,  
0.3903

 32.2265, 0.3927,  
0.3784

■ 35.8565, 0.3690,  
0.3659

■ 39.8451, 0.3479,  
0.3532

■ 44.2028, 0.3294,  
0.3410

■ 48.9397, 0.3132,  
0.3294

# Harmonies

## Analogous

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



19.0322, 0.5317, 0.3324



19.0322, 0.5285, 0.4083



19.0322, 0.4624, 0.4890

# Triad

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



19.0322, 0.5285, 0.4083



19.0322, 0.1767, 0.3915



19.0322, 0.2253, 0.1727

# Complementary

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



19.0322, 0.5285, 0.4083



14.1847, 0.1866, 0.1842

# 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.



19.0322, 0.1590, 0.1665



19.0322, 0.5285, 0.4083



19.0322, 0.1338, 0.2644

# Square

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



19.0322, 0.5285, 0.4083



19.0322, 0.2613, 0.5196



19.0322, 0.1298, 0.1927



19.0322, 0.3318, 0.2065



# Rectangle

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



19.0322, 0.5285, 0.4083



19.0322, 0.3995, 0.5342



19.0322, 0.1298, 0.1927



19.0322, 0.1987, 0.1674

# Sweetspot

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



19.0332, 0.5285, 0.4083



67.0086, 0.3626, 0.3622



11.9459, 0.4607, 0.2377



14.2297, 0.3702, 0.3666



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



19.0332, 0.5285, 0.4083



30.9410, 0.5520, 0.3999



43.2912, 0.4224, 0.4973



9.6900, 0.3276, 0.3398



11.8088, 0.5474, 0.4036



0.5404, 0.5061, 0.4364



# Inverse Universe

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



14.1847, 0.1866, 0.1842



21.9470, 0.1792, 0.1651



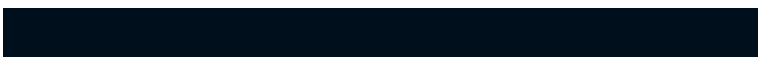
4.3096, 0.1558, 0.0712



9.4858, 0.2985, 0.3180



8.4791, 0.1805, 0.1699



0.4217, 0.1930, 0.2147



# Previews

## White Background



This preview shows how the Yxy color 19.0322, 0.5285, 0.4083 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 19.0322, 0.5285, 0.4083 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 19.0322, 0.5285, 0.4083**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.0322, 0.5285, 0.4083.



This preview shows how white text looks on a background with the Yxy color 19.0322, 0.5285, 0.4083.

# 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

19.0322, 0.5285, 0.4083

### Protanopia

19.3076, 0.4311, 0.4769

### Deuteranopia

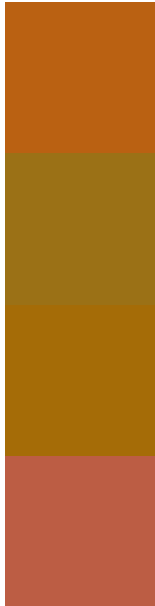
19.0338, 0.4704, 0.4647



## Tritanopia

18.9942, 0.4515, 0.3200

# Trichromacy



**Original Color**

19.0322, 0.5285, 0.4083

**Protanomaly**

18.8367, 0.4685, 0.4510

**Deuteranomaly**

18.7398, 0.4937, 0.4423

**Tritanomaly**

18.9374, 0.4904, 0.3614

# Monochromacy



**Original Color**

19.0322, 0.5285, 0.4083

**Achromatopsia**

17.1441, 0.3127, 0.3290

**Achromatomaly**

16.9670, 0.3982, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.0322, 0.5285, 0.4083 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(186, 97, 18)` looks like.

```
.text, #text, p{  
    color:rgb(186, 97, 18)  
}
```

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(186, 97, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 97, 18) }
```

## Border

The CSS property to change the border of an element to Yxy 19.0322, 0.5285, 0.4083 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(186, 97, 18) }
```

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

```
.border{ border-color:rgb(186, 97, 18) }
```

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

Here you see how a box with a 4 pixel rgb(186, 97, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 97, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 97, 18);  
box-shadow:4px 4px 4px 4px rgb(186, 97,  
18) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.0322, 0.5285, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 97, 18) }
```

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

```
.background{ background-color: rgb(186, 97,  
18) }
```

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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