

# Converting Colors

$Y_{xy}(16.0246, 0.5278, 0.3938)$

Have a look what the booklet for  
Yxy(16.0246, 0.5278, 0.3938)  
contains.

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**Color**

**Yxy(15.9794, 0.5284, 0.3933)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0561E
RGB	176, 86, 30
RGB Percent	69%, 34%, 12%
CMY	0.3098, 0.6628, 0.8823
CMYK	0.00, 0.51, 0.83, 0.31
HSL	23°, 71%, 40%
HSV	23°, 83%, 69%
XYZ	21.4684, 15.9794, 3.1813
YIQ	106.5260, 71.6160, 1.6640

# Conversions

## Conversions Part 2

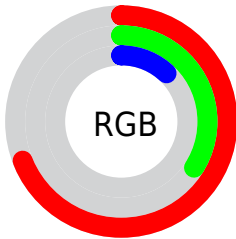
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 121, 30
Decimal	11556382
CIE Lab	46.95, 33.18, 46.93
CIE LCh	47, 57.473, 54.742
Yxy	15.9794, 0.5284, 0.3933
Android (android.graphics.Color)	4289746462 (0xFFB0561E)
YUV	106.5260, -37.7273, 60.9287
Hunter-Lab	39.9742, 25.9095, 23.2635

# Details

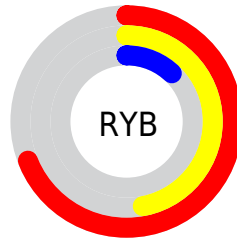
The Yxy color **15.9794, 0.5284, 0.3933** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.8477, 0.2000, 0.2232**, and the grayscale version is **14.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4604, 0.4828, 0.3887**, and **5.1050, 0.5852, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **14.3109, 0.5563, 0.3883**, and if you desaturate by 10%, it is **17.9629, 0.4968, 0.3932**.

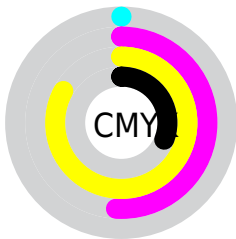
# Distribution



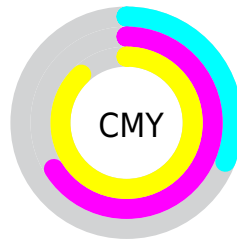
- Red (69%)
- Green (34%)
- Blue (12%)



- Red (69%)
- Yellow (47%)
- Blue (12%)



- Cyan (0%)
- Magenta (51%)
- Yellow (83%)
- Black (31%)




- Cyan (31%)
- Magenta (66%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9794, 0.5284, 0.3933 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 15.9794, 0.5284, 0.3933 by changing the saturation by 10% instead.





 15.9794, 0.5284,  
0.3933


 15.9794, 0.5284,  
0.3933


 229.2201, 0.4070,  
0.3695


 9.5096, 0.5594,  
0.3917


 36.5624, 0.4825,  
0.3890


 5.0750, 0.6092,  
0.3908


 51.4444, 0.4656,  
0.3858


 2.2914, 0.6408,  
0.3592


 69.8993, 0.4515,  
0.3826

 0.7691, 0.6950,  
0.3050

 92.3114, 0.4397,  
0.3796


 0.0000, 1.0000,  
0.0000

 119.0651, 0.4296,  
0.3767

 0.0000, 0.0000,  
0.0000


 150.5449, 0.4210,


0.3741


 187.1351, 0.4135,  
0.3717


 15.9794, 0.5284,  
0.3933


 15.9794, 0.5284,  
0.3933


 14.3109, 0.5563,  
0.3883


 17.9629, 0.4968,  
0.3932

 13.3054, 0.5737,  
0.3827

 20.2772, 0.4640,  
0.3889

 22.9398, 0.4324,  
0.3814

 25.9658, 0.4031,  
0.3721

 29.3695, 0.3769,  
0.3619

■ 33.1643, 0.3540,  
0.3515

■ 37.3627, 0.3342,  
0.3413

■ 41.9768, 0.3172,  
0.3317

■ 47.0182, 0.3027,  
0.3228

# Harmonies

## Analogous

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



15.9794, 0.5157, 0.3200



15.9794, 0.5284, 0.3933



15.9794, 0.4745, 0.4713

# Triad

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



15.9794, 0.5284, 0.3933



15.9794, 0.1942, 0.4158



15.9794, 0.2128, 0.1735

# Complementary

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



15.9794, 0.5284, 0.3933



16.8477, 0.2000, 0.2232

# 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.



15.9794, 0.1552, 0.1731



15.9794, 0.5284, 0.3933



15.9794, 0.1436, 0.2869

# Square

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



15.9794, 0.5284, 0.3933



15.9794, 0.2827, 0.5257



15.9794, 0.1327, 0.2065



15.9794, 0.3094, 0.2017



# Rectangle

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



15.9794, 0.5284, 0.3933



15.9794, 0.4168, 0.5178



15.9794, 0.1327, 0.2065



15.9794, 0.1893, 0.1701

# Sweetspot

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



15.9803, 0.5284, 0.3933



58.3646, 0.3594, 0.3540



11.5170, 0.4174, 0.2209



12.1335, 0.3672, 0.3576



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



15.9803, 0.5284, 0.3933



23.7222, 0.5766, 0.3804



34.1129, 0.4310, 0.4815



9.0218, 0.3278, 0.3378



9.8671, 0.5718, 0.3842



0.4254, 0.5197, 0.4256



# Inverse Universe

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



16.8477, 0.2000, 0.2232



24.8783, 0.1879, 0.1963



5.4471, 0.1663, 0.0965



9.0731, 0.2986, 0.3201



10.3630, 0.1890, 0.2002



0.4347, 0.2001, 0.2402



# Previews

## White Background



This preview shows how the Yxy color 15.9794, 0.5284, 0.3933 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 15.9794, 0.5284, 0.3933 looks on a black 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

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

**Yxy 15.9794, 0.5284, 0.3933**

## **Background**



This preview shows how black text looks on a background with the Yxy color 15.9794, 0.5284, 0.3933.



This preview shows how white text looks on a background with the Yxy color 15.9794, 0.5284, 0.3933.

# 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

15.9794, 0.5284, 0.3933

### Protanopia

16.0819, 0.4197, 0.4627

### Deuteranopia

16.0249, 0.4618, 0.4547



## Tritanopia

16.0217, 0.4625, 0.3224

# Trichromacy



## Original Color

15.9794, 0.5284, 0.3933

## Protanomaly

15.7453, 0.4615, 0.4366

## Deuteranomaly

15.8597, 0.4880, 0.4311

## Tritanomaly

15.9270, 0.4914, 0.3524

# Monochromacy



## Original Color

15.9794, 0.5284, 0.3933

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

14.3937, 0.3931, 0.3677

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.9794, 0.5284, 0.3933 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(176, 86, 30)` looks like.

```
.text, #text, p{  
    color:rgb(176, 86, 30)  
}
```

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(176, 86, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 86, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 15.9794, 0.5284, 0.3933 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(176, 86, 30) }
```

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

```
.border{ border-color:rgb(176, 86, 30) }
```

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

Here you see how a box with a 4 pixel rgb(176, 86, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 86, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 86, 30);  
box-shadow:4px 4px 4px 4px rgb(176, 86,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.9794, 0.5284, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 86, 30) }
```

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

```
.background{ background-color: rgb(176, 86,  
30) }
```

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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