

# Converting Colors

$Y_{xy}(17.0468, 0.5371, 0.4117)$

Have a look what the booklet for  
Yxy(17.0468, 0.5371, 0.4117)  
contains.

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# Color

**Yxy(17.0659, 0.5379, 0.4111)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B35B00
RGB	179, 91, 0
RGB Percent	70%, 36%, 0%
CMY	0.2981, 0.6431, 1.0000
CMYK	0.00, 0.49, 1.00, 0.30
HSL	31°, 100%, 35%
HSV	31°, 100%, 70%
XYZ	22.3297, 17.0659, 2.1172
YIQ	106.9380, 81.6590, -9.6450

# Conversions

## Conversions Part 2

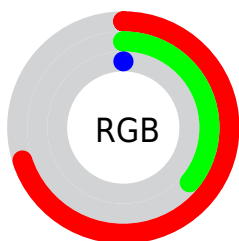
Format	Color
<a href="#">RYB</a>	<a href="#">173, 179, 0</a>
Decimal	<a href="#">11754240</a>
CIELab	<a href="#">48.34, 31.18, 57.16</a>
CIELCh	<a href="#">48, 65.107, 61.386</a>
Yxy	<a href="#">17.0659, 0.5379, 0.4111</a>
Android (android.graphics.Color)	<a href="#">4289944320</a> ( <a href="#">0xFFB35B00</a> )
YUV	<a href="#">106.9380, -52.7204, 63.1984</a>
Hunter-Lab	<a href="#">41.3109, 24.1903, 25.8791</a>

# Details

The Yxy color **17.0659, 0.5379, 0.4111** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.2305, 0.1765, 0.1553**, and the grayscale version is **14.8182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3837, 0.4950, 0.4060**, and **5.6497, 0.5738, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **17.0664, 0.5379, 0.4111**, and if you desaturate by 10%, it is **18.7039, 0.5176, 0.4166**.

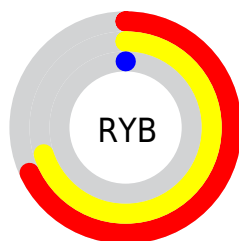
# Distribution



Red (70%)

Green (36%)

Blue (0%)



Red (68%)

Yellow (70%)

Blue (0%)

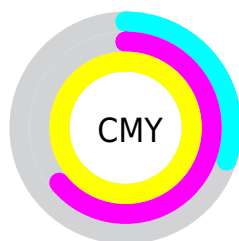


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (64%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0659, 0.5379, 0.4111 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 17.0659, 0.5379, 0.4111 by changing the saturation by 10% instead.


 17.0659, 0.5379,  
0.4111


 17.0659, 0.5379,  
0.4111


235.5519, 0.4166,  
0.3820


 10.2815, 0.5659,  
0.4092


 38.4390, 0.4945,  
0.4065

 5.5860, 0.5993,  
0.4007


 53.7966, 0.4777,  
0.4027

 2.5950, 0.6278,  
0.3722


 72.7806, 0.4634,  
0.3987

 0.9242, 0.6748,  
0.3252

 95.7755, 0.4512,  
0.3949

 0.0000, 1.0000,  
0.0000


 123.1657, 0.4407,  
0.3913


 0.0000, 0.0000,  
0.0000


 155.3355, 0.4315,


0.3879


 192.6695, 0.4236,  
0.3849

 17.0659, 0.5379,  
0.4111


 17.0659, 0.5379,  
0.4111

 17.0664, 0.5379,  
0.4111


 18.7039, 0.5176,  
0.4166


 20.5626, 0.4942,  
0.4177


 22.6635, 0.4682,  
0.4136


 25.0191, 0.4413,  
0.4054

 27.6407, 0.4149,  
0.3944

 30.5383, 0.3900,  
0.3817

 33.7217, 0.3672,  
0.3682

 37.1998, 0.3467,  
0.3546

 40.9810, 0.3286,  
0.3415

# Harmonies

## Analogous

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



17.0659, 0.5465, 0.3324



17.0659, 0.5379, 0.4111



17.0659, 0.4646, 0.4972

# Triad

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



17.0659, 0.5379, 0.4111



17.0659, 0.1663, 0.3903



17.0659, 0.2230, 0.1660

# Complementary

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



17.0659, 0.5379, 0.4111



10.2305, 0.1765, 0.1553

# 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.



17.0659, 0.1531, 0.1583



17.0659, 0.5379, 0.4111



17.0659, 0.1243, 0.2558

# Square

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



17.0659, 0.5379, 0.4111



17.0659, 0.2530, 0.5319



17.0659, 0.1219, 0.1834



17.0659, 0.3364, 0.2017

# Rectangle

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



17.0659, 0.5379, 0.4111



17.0659, 0.3975, 0.5470



17.0659, 0.1219, 0.1834



17.0659, 0.1948, 0.1602

# Sweetspot

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



17.0668, 0.5379, 0.4111



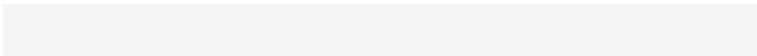
60.0998, 0.3683, 0.3689



10.3121, 0.4954, 0.2503



12.7770, 0.3776, 0.3745



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



17.0668, 0.5379, 0.4111



30.1189, 0.5403, 0.4092



41.8182, 0.4193, 0.5053



9.1957, 0.3275, 0.3406



12.1922, 0.5361, 0.4125



0.5001, 0.4954, 0.4449



# Inverse Universe

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



10.2305, 0.1765, 0.1553



17.8770, 0.1757, 0.1525



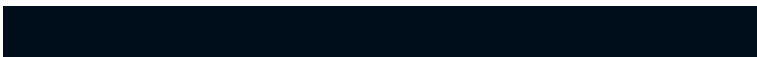
3.2544, 0.1500, 0.0600



8.8969, 0.2985, 0.3171



7.3598, 0.1771, 0.1574

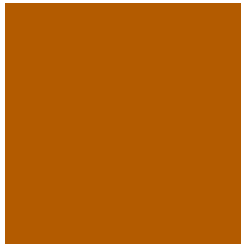


0.3484, 0.1914, 0.2091



# Previews

## White Background



This preview shows how the Yxy color 17.0659, 0.5379, 0.4111 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 17.0659, 0.5379, 0.4111 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 17.0659, 0.5379, 0.4111**

## Background



This preview shows how black text looks on a background with the Yxy color 17.0659, 0.5379, 0.4111.



This preview shows how white text looks on a background with the Yxy color 17.0659, 0.5379, 0.4111.

# 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

17.0659, 0.5379, 0.4111

### Protanopia

17.2711, 0.4343, 0.4828

### Deuteranopia

17.2629, 0.4697, 0.4652



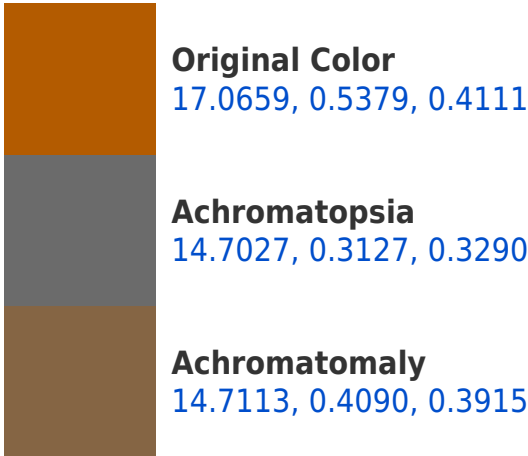
## Tritanopia

17.1803, 0.4578, 0.3225

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.0659, 0.5379, 0.4111 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(179, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 91, 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(179, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 91, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 17.0659, 0.5379, 0.4111 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(179, 91, 0) }
```

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

```
.border{ border-color:rgb(179, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 91, 0)  
}
```

# Background

The CSS property to change the background color of an element to Yxy 17.0659, 0.5379, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 91, 0) }
```

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

```
.background{ background-color: rgb(179, 91,  
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](#).

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