

Converting Colors

$Y_{xy}(16.5211, 0.5370, 0.4118)$

Have a look what the booklet for
Yxy(16.5211, 0.5370, 0.4118)
contains.

Yxy(16.5424, 0.5369, 0.4119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5424, 0.5369, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	B05A00
RGB	176, 90, 0
RGB Percent	69%, 35%, 0%
CMY	0.3098, 0.6471, 1.0000
CMYK	0.00, 0.49, 1.00, 0.31
HSL	31°, 100%, 35%
HSV	31°, 100%, 69%
XYZ	21.5626, 16.5424, 2.0563
YIQ	105.4540, 80.1460, -9.7580

Conversions

Conversions Part 2

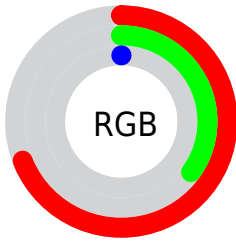
Format	Color
R _Y B	168, 176, 0
Decimal	11557376
CIE Lab	47.68, 30.47, 56.53
CIE LCh	48, 64.220, 61.674
Yxy	16.5424, 0.5369, 0.4119
Android (android.graphics.Color)	4289747456 (0xFFB05A00)
YUV	105.4540, -51.9888, 61.8688
Hunter-Lab	40.6723, 23.4556, 25.4731

Details

The Yxy color **16.5424, 0.5369, 0.4119** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.7927, 0.1763, 0.1546**, and the grayscale version is **14.3846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5638, 0.4935, 0.4063**, and **5.3689, 0.5731, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **16.5433, 0.5369, 0.4119**, and if you desaturate by 10%, it is **18.1216, 0.5166, 0.4173**.

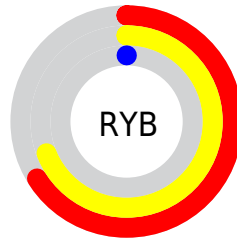
Distribution



Red (69%)

Green (35%)

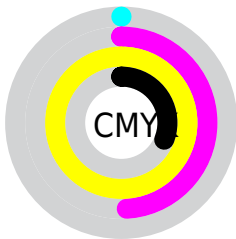
Blue (0%)



Red (66%)

Yellow (69%)

Blue (0%)

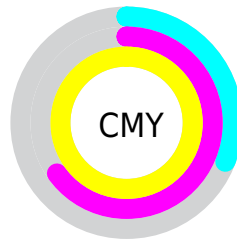


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5424, 0.5369, 0.4119 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 16.5424, 0.5369, 0.4119 by changing the saturation by 10% instead.


 16.5424, 0.5369,
0.4119

 16.5424, 0.5369,
0.4119


232.5214, 0.4155,
0.3820


 9.9088, 0.5653,
0.4103


 37.5373, 0.4934,
0.4070


 5.3385, 0.5985,
0.4015

 52.6674, 0.4765,
0.4030

 2.4472, 0.6273,
0.3727

 71.3984, 0.4622,
0.3990

 0.8500, 0.6756,
0.3244

 94.1147, 0.4500,
0.3950


 0.0000, 1.0000,
0.0000


 121.2008, 0.4395,
0.3914

 0.0000, 0.0000,
0.0000


 153.0410, 0.4304,


0.3880


 190.0197, 0.4225,
0.3849


 16.5424, 0.5369,
0.4119


 16.5424, 0.5369,
0.4119


 16.5433, 0.5369,
0.4119

 18.1216, 0.5166,
0.4173

 19.9111, 0.4934,
0.4182

 21.9317, 0.4676,
0.4140

 24.1952, 0.4408,
0.4058

 26.7123, 0.4146,
0.3947

■ 29.4927, 0.3898,
0.3819

■ 32.5455, 0.3671,
0.3683

■ 35.8792, 0.3467,
0.3547

■ 39.5019, 0.3286,
0.3415

Harmonies

Analogous

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



16.5424, 0.5461, 0.3332



16.5424, 0.5369, 0.4119



16.5424, 0.4634, 0.4977

Triad

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



16.5424, 0.5369, 0.4119



16.5424, 0.1661, 0.3887



16.5424, 0.2241, 0.1665

Complementary

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



16.5424, 0.5369, 0.4119



9.7927, 0.1763, 0.1546

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.



16.5424, 0.1539, 0.1587



16.5424, 0.5369, 0.4119



16.5424, 0.1246, 0.2551

Square

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



16.5424, 0.5369, 0.4119



16.5424, 0.2523, 0.5301



16.5424, 0.1225, 0.1834



16.5424, 0.3376, 0.2025

Rectangle

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



16.5424, 0.5369, 0.4119



16.5424, 0.3964, 0.5470



16.5424, 0.1225, 0.1834



16.5424, 0.1958, 0.1607

Sweetspot

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



16.5433, 0.5369, 0.4119



58.7154, 0.3682, 0.3690



9.9361, 0.4952, 0.2502



12.2206, 0.3773, 0.3747



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.



16.5433, 0.5369, 0.4119



29.5441, 0.5394, 0.4099



40.2864, 0.4193, 0.5053



9.1997, 0.3275, 0.3407



12.2541, 0.5353, 0.4131



0.5019, 0.4948, 0.4453

Inverse Universe

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



9.7927, 0.1763, 0.1546



17.3071, 0.1755, 0.1517



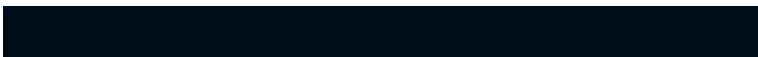
3.1350, 0.1500, 0.0600



8.8929, 0.2985, 0.3171



7.3007, 0.1768, 0.1565



0.3466, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 16.5424, 0.5369, 0.4119 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 16.5424, 0.5369, 0.4119 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 16.5424, 0.5369, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 16.5424, 0.5369, 0.4119.



This preview shows how white text looks on a background with the Yxy color 16.5424, 0.5369, 0.4119.

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

16.5424, 0.5369, 0.4119

Protanopia

16.6583, 0.4344, 0.4823

Deuteranopia

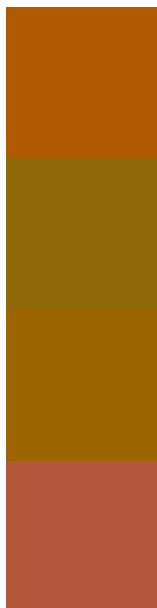
16.6544, 0.4705, 0.4646



Tritanopia

16.6456, 0.4564, 0.3224

Trichromacy



Original Color

16.5424, 0.5369, 0.4119

Protanomaly

16.1448, 0.4735, 0.4555

Deuteranomaly

16.3753, 0.4972, 0.4434

Tritanomaly

16.4160, 0.5017, 0.3672

Monochromacy



Original Color

16.5424, 0.5369, 0.4119

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3449, 0.4083, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5424, 0.5369, 0.4119 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, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 90, 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(176, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5424, 0.5369, 0.4119 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, 90, 0) }
```

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

```
.border{ border-color:rgb(176, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5424, 0.5369, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 90, 0) }
```

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

```
.background{ background-color: rgb(176, 90,  
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](#).

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