

Converting Colors

$Yxy(16.6156, 0.5887, 0.3707)$

Have a look what the booklet for
Yxy(16.6156, 0.5887, 0.3707)
contains.

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Color

Yxy(16.5709, 0.5892, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	CA4300
RGB	202, 67, 0
RGB Percent	79%, 26%, 0%
CMY	0.2078, 0.7373, 0.9995
CMYK	0.00, 0.67, 1.00, 0.21
HSL	20°, 100%, 40%
HSV	20°, 100%, 79%
XYZ	26.3667, 16.5709, 1.8124
YIQ	99.7270, 101.9670, 7.7830

Conversions

Conversions Part 2

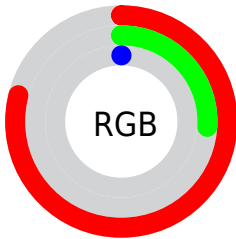
Format	Color
RYB	202, 100, 0
Decimal	13255424
CIELab	47.71, 51.46, 58.79
CIELCh	48, 78.130, 48.802
Yxy	16.5709, 0.5892, 0.3703
Android (android.graphics.Color)	4291445504 (0xFFCA4300)
YUV	99.7270, -49.1654, 89.6934
Hunter-Lab	40.7074, 44.3787, 25.8555

Details

The Yxy color **16.5709, 0.5892, 0.3703** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.6321, 0.1934, 0.2163**, and the grayscale version is **12.7825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2402, 0.5291, 0.3818**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5616, 0.5893, 0.3703**, and if you desaturate by 10%, it is **18.4211, 0.5636, 0.3790**.

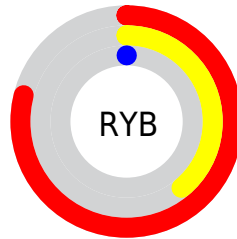
Distribution



Red (79%)

Green (26%)

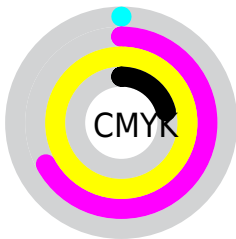
Blue (0%)



Red (79%)

Yellow (39%)

Blue (0%)

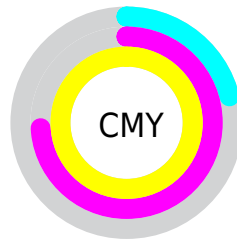


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5709, 0.5892, 0.3703 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 16.5709, 0.5892, 0.3703 by changing the saturation by 10% instead.


 16.5709, 0.5892,
0.3703


 16.5709, 0.5892,
0.3703


 232.6873, 0.4401,
0.3700


 9.9290, 0.6244,
0.3598


 37.5865, 0.5361,
0.3781


 5.3519, 0.6623,
0.3377

 52.7291, 0.5154,
0.3785

 2.4552, 0.7024,
0.2976

 71.4739, 0.4979,
0.3778

 0.8541, 0.7637,
0.2363

 94.2056, 0.4828,
0.3765


 0.0000, 1.0000,
0.0000


 121.3083, 0.4698,
0.3750


 0.0000, 0.0000,
0.0000


 153.1666, 0.4586,


0.3733

 190.1648, 0.4488,
0.3716


 16.5709, 0.5892,
0.3703

 16.5709, 0.5892,
0.3703


 16.5616, 0.5893,
0.3703

 18.4211, 0.5636,
0.3790

 20.7227, 0.5323,
0.3836

 23.5170, 0.4974,
0.3834

 26.8340, 0.4620,
0.3793

 30.7010, 0.4284,
0.3725

■ 35.1432, 0.3981,
0.3641

■ 40.1840, 0.3715,
0.3550

■ 45.8455, 0.3486,
0.3460

■ 52.1485, 0.3291,
0.3372

Harmonies

Analogous

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



16.5709, 0.5647, 0.2905



16.5709, 0.5892, 0.3703



16.5709, 0.5218, 0.4672

Triad

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



16.5709, 0.5892, 0.3703



16.5709, 0.1734, 0.4870



16.5709, 0.1685, 0.1363

Complementary

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



16.5709, 0.5892, 0.3703



21.6321, 0.1934, 0.2163

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.



16.5709, 0.1124, 0.1403



16.5709, 0.5892, 0.3703



16.5709, 0.1093, 0.2947

Square

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



16.5709, 0.5892, 0.3703



16.5709, 0.2840, 0.6154



16.5709, 0.0936, 0.1835



16.5709, 0.2766, 0.1626

Rectangle

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



16.5709, 0.5892, 0.3703



16.5709, 0.4488, 0.5397



16.5709, 0.0936, 0.1835



16.5709, 0.1449, 0.1341

Sweetspot

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



16.5719, 0.5892, 0.3703



67.6039, 0.3727, 0.3555



14.3977, 0.4216, 0.2096



13.6668, 0.3837, 0.3594



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.



16.5719, 0.5892, 0.3703



27.6730, 0.5917, 0.3684



39.4671, 0.4561, 0.4760



11.8106, 0.3282, 0.3367



10.8031, 0.5869, 0.3722



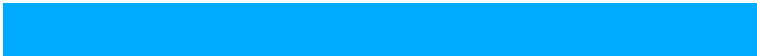
0.6963, 0.5485, 0.4027

Inverse Universe

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



21.6321, 0.1934, 0.2163



36.1707, 0.1929, 0.2146



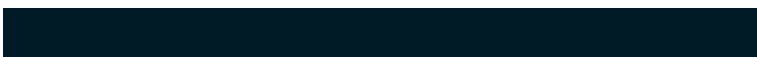
5.5972, 0.1546, 0.0764



12.0764, 0.2983, 0.3211



14.0798, 0.1939, 0.2179



0.8619, 0.2006, 0.2421

Previews

White Background



This preview shows how the Yxy color 16.5709, 0.5892, 0.3703 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 16.5709, 0.5892, 0.3703 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 16.5709, 0.5892, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 16.5709, 0.5892, 0.3703.



This preview shows how white text looks on a background with the Yxy color 16.5709, 0.5892, 0.3703.

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

16.5709, 0.5892, 0.3703

Protanopia

16.6780, 0.4318, 0.4783

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5351, 0.5383, 0.3257

Trichromacy



Original Color

16.5709, 0.5892, 0.3703

Protanomaly

15.5470, 0.4983, 0.4336

Deuteranomaly

15.8280, 0.5211, 0.4245

Tritanomaly

16.5305, 0.5674, 0.3489

Monochromacy



Original Color

16.5709, 0.5892, 0.3703

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6680, 0.4343, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5709, 0.5892, 0.3703 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(202, 67, 0)` looks like.

```
.text, #text, p{  
  color:rgb(202, 67, 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(202, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 67, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5709, 0.5892, 0.3703 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(202, 67, 0) }
```

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

```
.border{ border-color:rgb(202, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5709, 0.5892, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 67, 0) }
```

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

```
.background{ background-color: rgb(202, 67,  
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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