

Converting Colors

$Y_{xy}(17.0040, 0.5886, 0.3709)$

Have a look what the booklet for
Yxy(17.0040, 0.5886, 0.3709)
contains.

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Color

Yxy(16.9716, 0.5889, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	CC4400
RGB	204, 68, 0
RGB Percent	80%, 27%, 0%
CMY	0.2000, 0.7333, 1.0000
CMYK	0.00, 0.67, 1.00, 0.20
HSL	20°, 100%, 40%
HSV	20°, 100%, 80%
XYZ	26.9686, 16.9716, 1.8547
YIQ	100.9120, 102.8840, 7.6840

Conversions

Conversions Part 2

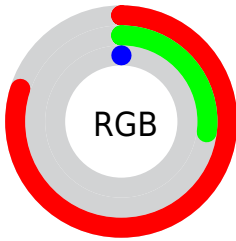
Format	Color
RYB	204, 102, 0
Decimal	13386752
CIELab	48.22, 51.73, 59.27
CIELCh	48, 78.670, 48.888
Yxy	16.9716, 0.5889, 0.3706
Android (android.graphics.Color)	4291576832 (0xFFCC4400)
YUV	100.9120, -49.7496, 90.4082
Hunter-Lab	41.1966, 44.7578, 26.1684

Details

The Yxy color **16.9716, 0.5889, 0.3706** 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 **21.9675, 0.1932, 0.2154**, and the grayscale version is **13.1026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4948, 0.5274, 0.3821**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9716, 0.5889, 0.3706**, and if you desaturate by 10%, it is **18.8650, 0.5634, 0.3793**.

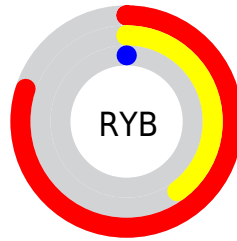
Distribution



Red (80%)

Green (27%)

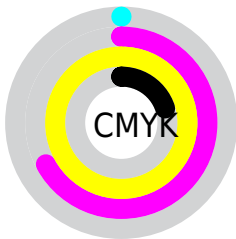
Blue (0%)



Red (80%)

Yellow (40%)

Blue (0%)

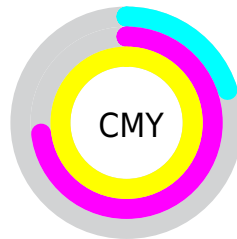


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9716, 0.5889, 0.3706 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 16.9716, 0.5889, 0.3706 by changing the saturation by 10% instead.

 16.9716, 0.5889,
0.3706


 16.9716, 0.5889,
0.3706

 235.0087, 0.4406,
0.3702

 10.2142, 0.6235,
0.3601


 38.2769, 0.5363,
0.3783

 5.5412, 0.6614,
0.3386


 53.5937, 0.5157,
0.3787

 2.5682, 0.7008,
0.2992


 72.5324, 0.4982,
0.3780

 0.9107, 0.7607,
0.2393

 95.4774, 0.4832,
0.3767


 0.0000, 1.0000,
0.0000


 122.8132, 0.4703,
0.3752

 0.0000, 0.0000,
0.0000


 154.9240, 0.4590,


0.3735


 192.1944, 0.4492,
0.3719


 16.9716, 0.5889,
0.3706

 18.8650, 0.5634,
0.3793

 21.2181, 0.5323,
0.3840

 24.0728, 0.4974,
0.3838

 27.4599, 0.4621,
0.3797

 31.4071, 0.4286,
0.3728

■ 35.9400, 0.3983,
0.3644

■ 41.0824, 0.3717,
0.3553

■ 46.8568, 0.3488,
0.3461

■ 53.2843, 0.3293,
0.3373

Harmonies

Analogous

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



16.9716, 0.5647, 0.2908



16.9716, 0.5889, 0.3706



16.9716, 0.5212, 0.4673

Triad

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



16.9716, 0.5889, 0.3706



16.9716, 0.1733, 0.4863



16.9716, 0.1689, 0.1364

Complementary

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



16.9716, 0.5889, 0.3706



21.9675, 0.1932, 0.2154

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.



16.9716, 0.1127, 0.1403



16.9716, 0.5889, 0.3706



16.9716, 0.1093, 0.2943

Square

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



16.9716, 0.5889, 0.3706



16.9716, 0.2837, 0.6150



16.9716, 0.0937, 0.1834



16.9716, 0.2771, 0.1629

Rectangle

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



16.9716, 0.5889, 0.3706



16.9716, 0.4483, 0.5397



16.9716, 0.0937, 0.1834



16.9716, 0.1452, 0.1342

Sweetspot

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



16.9726, 0.5889, 0.3706



67.6809, 0.3727, 0.3556



14.6149, 0.4282, 0.2133



13.6847, 0.3836, 0.3596



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.



16.9726, 0.5889, 0.3706



27.7578, 0.5911, 0.3688



41.5864, 0.4524, 0.4790



11.8145, 0.3282, 0.3368



10.8365, 0.5864, 0.3726



0.6984, 0.5480, 0.4031

Inverse Universe

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



21.9675, 0.1932, 0.2154



35.9676, 0.1927, 0.2138



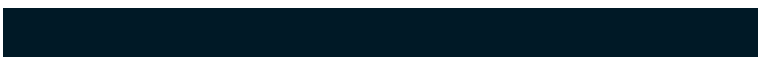
5.5042, 0.1539, 0.0738



12.0724, 0.2983, 0.3211



14.0034, 0.1937, 0.2171



0.8584, 0.2004, 0.2415

Previews

White Background



This preview shows how the Yxy color 16.9716, 0.5889, 0.3706 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 16.9716, 0.5889, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

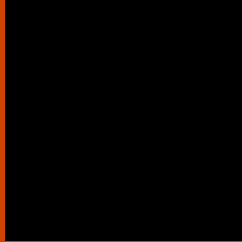
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9716, 0.5889, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 16.9716, 0.5889, 0.3706.



This preview shows how white text looks on a background with the Yxy color 16.9716, 0.5889, 0.3706.

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

16.9716, 0.5889, 0.3706

Protanopia

17.2945, 0.4312, 0.4782

Deuteranopia

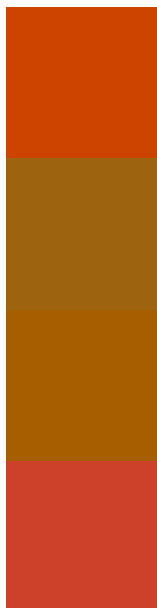
16.9570, 0.4701, 0.4649



Tritanopia

16.9394, 0.5377, 0.3257

Trichromacy



Original Color

16.9716, 0.5889, 0.3706

Protanomaly

16.1235, 0.4969, 0.4343

Deuteranomaly

16.1124, 0.5204, 0.4250

Tritanomaly

16.9341, 0.5666, 0.3489

Monochromacy



Original Color

16.9716, 0.5889, 0.3706

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9182, 0.4348, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9716, 0.5889, 0.3706 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(204, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 68, 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(204, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9716, 0.5889, 0.3706 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(204, 68, 0) }
```

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

```
.border{ border-color:rgb(204, 68, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 68, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9716, 0.5889, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 68, 0) }
```

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

```
.background{ background-color: rgb(204, 68,  
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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