

Converting Colors

$Y_{xy}(16.5568, 0.5880, 0.3773)$

Have a look what the booklet for
Yxy(16.5568, 0.5880, 0.3773)
contains.

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Color

Yxy(16.5224, 0.5838, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	C74600
RGB	199, 70, 0
RGB Percent	78%, 27%, 0%
CMY	0.2196, 0.7254, 1.0000
CMYK	0.00, 0.65, 1.00, 0.22
HSL	21°, 100%, 39%
HSV	21°, 100%, 78%
XYZ	25.7427, 16.5224, 1.8299
YIQ	100.5910, 99.3540, 5.5780

Conversions

Conversions Part 2

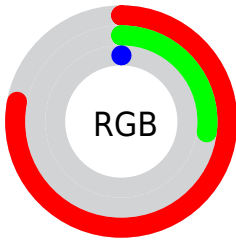
Format	Color
R_{YB}	199, 108, 0
Decimal	13059584
CIE Lab	47.65, 49.14, 58.52
CIE LCh	48, 76.410, 49.980
Yxy	16.5224, 0.5838, 0.3747
Android (android.graphics.Color)	4291249664 (0xFFC74600)
YUV	100.5910, -49.5914, 86.3047
Hunter-Lab	40.6478, 41.9124, 25.7842

Details

The Yxy color **16.5224, 0.5838, 0.3747** 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 **19.8204, 0.1914, 0.2089**, and the grayscale version is **13.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9911, 0.5254, 0.3840**, and **5.3428, 0.6362, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **16.5235, 0.5838, 0.3747**, and if you desaturate by 10%, it is **18.3647, 0.5585, 0.3832**.

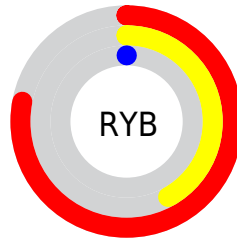
Distribution



Red (78%)

Green (27%)

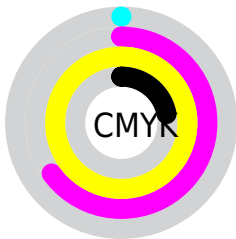
Blue (0%)



Red (78%)

Yellow (42%)

Blue (0%)

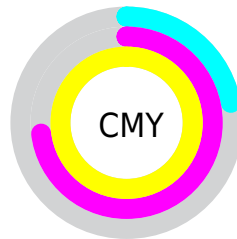


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5224, 0.5838, 0.3747 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 16.5224, 0.5838, 0.3747 by changing the saturation by 10% instead.


 16.5224, 0.5838,
0.3747


 16.5224, 0.5838,
0.3747


 232.4049, 0.4375,
0.3713


 9.8946, 0.6184,
0.3650


 37.5028, 0.5316,
0.3813


 5.3291, 0.6559,
0.3441

 52.6241, 0.5113,
0.3811

 2.4416, 0.6952,
0.3048

 71.3454, 0.4940,
0.3801

 0.8472, 0.7558,
0.2442

 94.0510, 0.4793,
0.3785


 0.0000, 1.0000,
0.0000

 121.1254, 0.4666,
0.3768

 0.0000, 0.0000,
0.0000


 152.9529, 0.4555,

0.3749

 189.9179, 0.4459,
0.3731


 16.5224, 0.5838,
0.3747


 16.5224, 0.5838,
0.3747


 16.5235, 0.5838,
0.3747

 18.3647, 0.5585,
0.3832

 20.6245, 0.5280,
0.3876

 23.3398, 0.4941,
0.3870

 26.5376, 0.4597,
0.3825

 30.2422, 0.4270,
0.3751

■ 34.4764, 0.3973,
0.3662

■ 39.2610, 0.3712,
0.3566

■ 44.6160, 0.3485,
0.3470

■ 50.5600, 0.3292,
0.3377

Harmonies

Analogous

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



16.5224, 0.5630, 0.2949



16.5224, 0.5838, 0.3747



16.5224, 0.5156, 0.4707

Triad

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



16.5224, 0.5838, 0.3747



16.5224, 0.1728, 0.4756



16.5224, 0.1739, 0.1393

Complementary

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



16.5224, 0.5838, 0.3747



19.8204, 0.1914, 0.2089

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.



16.5224, 0.1164, 0.1422



16.5224, 0.5838, 0.3747



16.5224, 0.1109, 0.2900

Square

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



16.5224, 0.5838, 0.3747



16.5224, 0.2811, 0.6075



16.5224, 0.0965, 0.1835



16.5224, 0.2829, 0.1666

Rectangle

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



16.5224, 0.5838, 0.3747



16.5224, 0.4432, 0.5409



16.5224, 0.0965, 0.1835



16.5224, 0.1498, 0.1368

Sweetspot

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



16.5235, 0.5838, 0.3747



68.3556, 0.3722, 0.3571



13.7361, 0.4346, 0.2168



13.8420, 0.3830, 0.3612



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.



16.5235, 0.5838, 0.3747



28.5242, 0.5863, 0.3727



40.5729, 0.4486, 0.4820



11.2372, 0.3281, 0.3372



10.7753, 0.5813, 0.3767



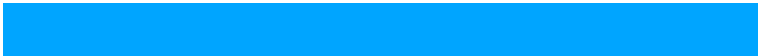
0.6464, 0.5409, 0.4087

Inverse Universe

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



19.8204, 0.1914, 0.2089



34.2335, 0.1909, 0.2070



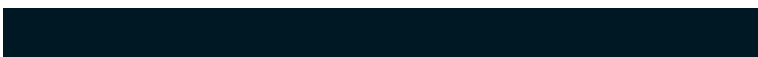
5.0444, 0.1533, 0.0718



11.4152, 0.2984, 0.3207



12.9149, 0.1919, 0.2107



0.7439, 0.1995, 0.2382

Previews

White Background



This preview shows how the Yxy color 16.5224, 0.5838, 0.3747 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 16.5224, 0.5838, 0.3747 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 16.5224, 0.5838, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 16.5224, 0.5838, 0.3747.



This preview shows how white text looks on a background with the Yxy color 16.5224, 0.5838, 0.3747.

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

16.5224, 0.5838, 0.3747

Protanopia

16.6780, 0.4318, 0.4783

Deuteranopia

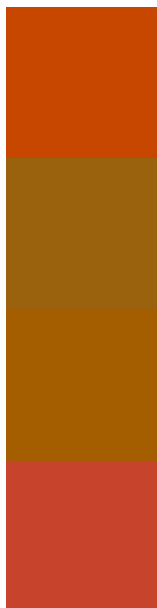
16.6544, 0.4705, 0.4646



Tritanopia

16.4896, 0.5285, 0.3254

Trichromacy



Original Color

16.5224, 0.5838, 0.3747

Protanomaly

15.6344, 0.4954, 0.4359

Deuteranomaly

15.8979, 0.5183, 0.4267

Tritanomaly

16.4755, 0.5600, 0.3510

Monochromacy



Original Color

16.5224, 0.5838, 0.3747

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0009, 0.4322, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5224, 0.5838, 0.3747 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(199, 70, 0)` looks like.

```
.text, #text, p{  
  color:rgb(199, 70, 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(199, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 70, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5224, 0.5838, 0.3747 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(199, 70, 0) }
```

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

```
.border{ border-color:rgb(199, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 70, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5224, 0.5838, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 70, 0) }
```

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

```
.background{ background-color: rgb(199, 70,  
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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