

Converting Colors

$Y_{xy}(16.2948, 0.5872, 0.3720)$

Have a look what the booklet for
Yxy(16.2948, 0.5872, 0.3720)
contains.

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Color

Yxy(16.2764, 0.5864, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	C74400
RGB	199, 68, 0
RGB Percent	78%, 27%, 0%
CMY	0.2197, 0.7332, 1.0000
CMYK	0.00, 0.66, 1.00, 0.22
HSL	21°, 100%, 39%
HSV	21°, 100%, 78%
XYZ	25.6159, 16.2764, 1.7910
YIQ	99.4170, 99.9040, 6.6240

Conversions

Conversions Part 2

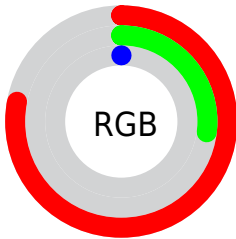
Format	Color
R _Y B	199, 103, 0
Decimal	13059072
CIE Lab	47.34, 49.97, 58.33
CIE LCh	47, 76.813, 49.415
Yxy	16.2764, 0.5864, 0.3726
Android (android.graphics.Color)	4291249152 (0xFFC74400)
YUV	99.4170, -49.0126, 87.3343
Hunter-Lab	40.3440, 42.7341, 25.6087

Details

The Yxy color **16.2764, 0.5864, 0.3726** 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 **20.3397, 0.1924, 0.2125**, and the grayscale version is **12.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4846, 0.5281, 0.3827**, and **5.2342, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2774, 0.5864, 0.3726**, and if you desaturate by 10%, it is **18.0931, 0.5609, 0.3812**.

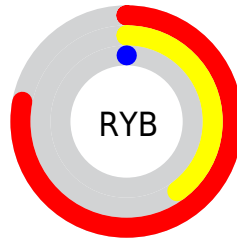
Distribution



Red (78%)

Green (27%)

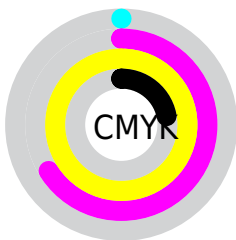
Blue (0%)



Red (78%)

Yellow (40%)

Blue (0%)

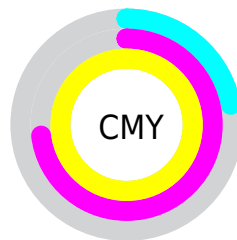


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2764, 0.5864, 0.3726 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 16.2764, 0.5864, 0.3726 by changing the saturation by 10% instead.


 16.2764, 0.5864,
0.3726


 16.2764, 0.5864,
0.3726


 230.9672, 0.4384,
0.3706


 9.7200, 0.6217,
0.3626


 37.0774, 0.5336,
0.3798


 5.2137, 0.6594,
0.3406

 52.0907, 0.5130,
0.3799


 2.3732, 0.6994,
0.3006

 70.6918, 0.4955,
0.3789

 0.8120, 0.7616,
0.2384

 93.2650, 0.4806,
0.3775


 0.0000, 1.0000,
0.0000


 120.1948, 0.4678,
0.3759

 0.0000, 0.0000,
0.0000

 151.8655, 0.4566,


0.3741


 188.6615, 0.4469,
0.3723


 16.2764, 0.5864,
0.3726


 16.2764, 0.5864,
0.3726


 16.2774, 0.5864,
0.3726

 18.0931, 0.5609,
0.3812

 20.3359, 0.5301,
0.3857

 23.0437, 0.4957,
0.3853

 26.2443, 0.4608,
0.3809

 29.9631, 0.4277,
0.3739

■ 34.2235, 0.3977,
0.3652

■ 39.0471, 0.3714,
0.3559

■ 44.4546, 0.3486,
0.3465

■ 50.4653, 0.3292,
0.3375

Harmonies

Analogous

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



16.2764, 0.5638, 0.2928



16.2764, 0.5864, 0.3726



16.2764, 0.5186, 0.4691

Triad

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



16.2764, 0.5864, 0.3726



16.2764, 0.1731, 0.4811



16.2764, 0.1713, 0.1378

Complementary

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



16.2764, 0.5864, 0.3726



20.3397, 0.1924, 0.2125

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.



16.2764, 0.1145, 0.1412



16.2764, 0.5864, 0.3726



16.2764, 0.1101, 0.2922

Square

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



16.2764, 0.5864, 0.3726



16.2764, 0.2825, 0.6113



16.2764, 0.0951, 0.1835



16.2764, 0.2799, 0.1647

Rectangle

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



16.2764, 0.5864, 0.3726



16.2764, 0.4460, 0.5405



16.2764, 0.0951, 0.1835



16.2764, 0.1474, 0.1355

Sweetspot

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



16.2774, 0.5864, 0.3726



67.9932, 0.3725, 0.3563



13.8228, 0.4280, 0.2132



13.7575, 0.3833, 0.3603



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.



16.2774, 0.5864, 0.3726



28.1072, 0.5889, 0.3706



39.3439, 0.4523, 0.4790



11.2200, 0.3281, 0.3370



10.6168, 0.5839, 0.3746



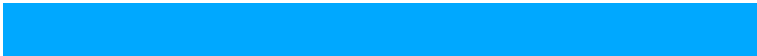
0.6377, 0.5431, 0.4069

Inverse Universe

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



20.3397, 0.1924, 0.2125



35.1552, 0.1919, 0.2107



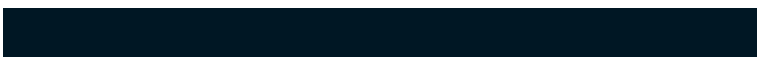
5.2192, 0.1539, 0.0740



11.4332, 0.2984, 0.3209



13.2502, 0.1929, 0.2142



0.7581, 0.2003, 0.2409

Previews

White Background



This preview shows how the Yxy color 16.2764, 0.5864, 0.3726 looks on a white background.

Color Contrast Check

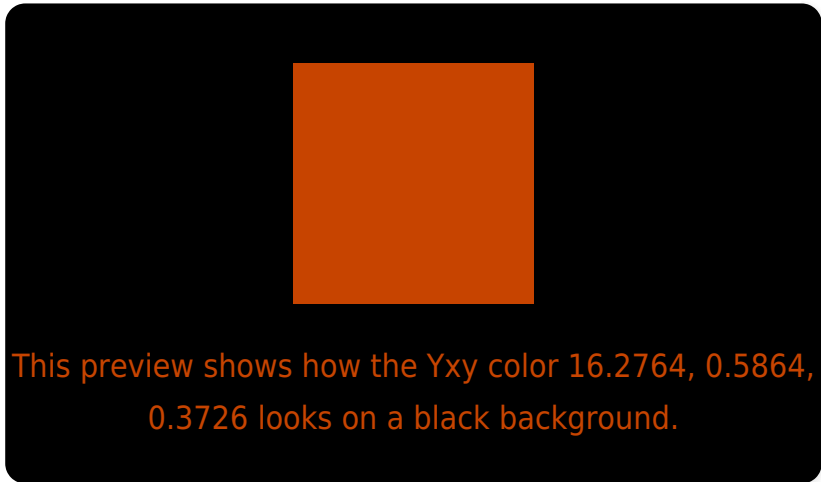
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.2764, 0.5864, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 16.2764, 0.5864, 0.3726.



This preview shows how white text looks on a background with the Yxy color 16.2764, 0.5864, 0.3726.

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

16.2764, 0.5864, 0.3726

Protanopia

16.3764, 0.4318, 0.4780

Deuteranopia

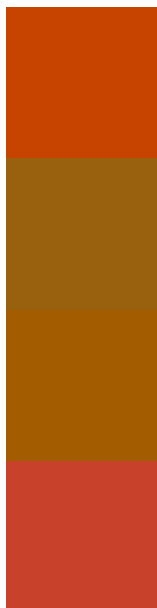
16.3550, 0.4709, 0.4643



Tritanopia

16.2396, 0.5334, 0.3255

Trichromacy



Original Color

16.2764, 0.5864, 0.3726

Protanomaly

15.3508, 0.4959, 0.4354

Deuteranomaly

15.6152, 0.5190, 0.4261

Tritanomaly

16.2344, 0.5632, 0.3497

Monochromacy



Original Color

16.2764, 0.5864, 0.3726

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4892, 0.4328, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2764, 0.5864, 0.3726 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, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2764, 0.5864, 0.3726 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, 68, 0) }
```

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

```
.border{ border-color:rgb(199, 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(199, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2764, 0.5864, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 68, 0) }
```

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

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