

Converting Colors

$Y_{xy}(16.2901, 0.5678, 0.3837)$

Have a look what the booklet for
Yxy(16.2901, 0.5678, 0.3837)
contains.

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Color

Yxy(16.2584, 0.5684, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	BF4C06
RGB	191, 76, 6
RGB Percent	75%, 30%, 2%
CMY	0.2510, 0.7019, 0.9759
CMYK	0.00, 0.60, 0.97, 0.25
HSL	23°, 94%, 39%
HSV	23°, 97%, 75%
XYZ	24.1035, 16.2584, 2.0440
YIQ	102.4050, 91.0100, 2.6100

Conversions

Conversions Part 2

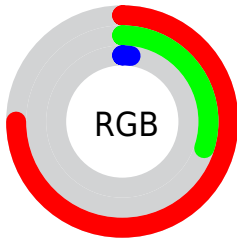
Format	Color
R _Y B	191, 119, 6
Decimal	12536838
CIE Lab	47.31, 43.59, 56.00
CIE LCh	47, 70.967, 52.107
Yxy	16.2584, 0.5684, 0.3834
Android (android.graphics.Color)	4290726918 (0xFFBF4C06)
YUV	102.4050, -47.5277, 77.6978
Hunter-Lab	40.3217, 36.1406, 25.2197

Details

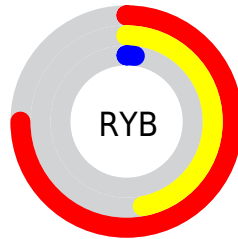
The Yxy color **16.2584, 0.5684, 0.3834** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **17.5074, 0.1907, 0.2044**, and the grayscale version is **13.5129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8570, 0.5186, 0.3864**, and **5.2035, 0.6199, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **15.7352, 0.5762, 0.3807**, and if you desaturate by 10%, it is **18.1083, 0.5424, 0.3906**.

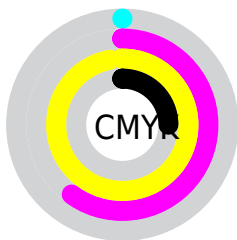
Distribution



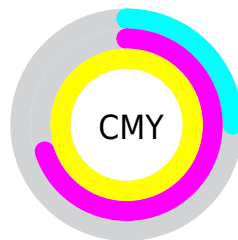
- Red (75%)
- Green (30%)
- Blue (2%)



- Red (75%)
- Yellow (47%)
- Blue (2%)



- Cyan (0%)
- Magenta (60%)
- Yellow (97%)
- Black (25%)





- Cyan (25%)
- Magenta (70%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2584, 0.5684, 0.3834 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 16.2584, 0.5684, 0.3834 by changing the saturation by 10% instead.


 16.2584, 0.5684,
0.3834


 16.2584, 0.5684,
0.3834


230.8617, 0.4289,
0.3725


 9.7072, 0.6016,
0.3759


 37.0462, 0.5180,
0.3865


 5.2052, 0.6408,
0.3592

 52.0516, 0.4986,
0.3852


 2.3682, 0.6780,
0.3220

 70.6439, 0.4822,
0.3833

 0.8094, 0.7375,
0.2625

 93.2074, 0.4682,
0.3812

 0.0000, 1.0000,
0.0000


 120.1265, 0.4562,
0.3789


 0.0000, 0.0000,
0.0000


 151.7857, 0.4458,


0.3767


 188.5693, 0.4368,
0.3746


 16.2584, 0.5684,
0.3834

 16.2584, 0.5684,
0.3834

 15.7352, 0.5762,
0.3807

 18.1083, 0.5424,
0.3906

 20.3305, 0.5117,
0.3928

 22.9510, 0.4786,
0.3902

 25.9914, 0.4459,
0.3840

 29.4712, 0.4151,
0.3754

■ 33.4086, 0.3873,
0.3655

■ 37.8206, 0.3629,
0.3552

■ 42.7234, 0.3417,
0.3450

■ 48.1322, 0.3235,
0.3353

Harmonies

Analogous

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



16.2584, 0.5528, 0.3044



16.2584, 0.5684, 0.3834



16.2584, 0.5018, 0.4752

Triad

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



16.2584, 0.5684, 0.3834



16.2584, 0.1759, 0.4522



16.2584, 0.1867, 0.1484

Complementary

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



16.2584, 0.5684, 0.3834



17.5074, 0.1907, 0.2044

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.



16.2584, 0.1274, 0.1495



16.2584, 0.5684, 0.3834



16.2584, 0.1183, 0.2845

Square

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



16.2584, 0.5684, 0.3834



16.2584, 0.2785, 0.5837



16.2584, 0.1057, 0.1874



16.2584, 0.2946, 0.1771

Rectangle

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



16.2584, 0.5684, 0.3834



16.2584, 0.4329, 0.5389



16.2584, 0.1057, 0.1874



16.2584, 0.1620, 0.1454

Sweetspot

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



16.2593, 0.5684, 0.3834



65.5417, 0.3691, 0.3580



12.6448, 0.4356, 0.2191



13.6415, 0.3796, 0.3625



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2593, 0.5684, 0.3834



27.7523, 0.5789, 0.3786



38.4893, 0.4432, 0.4844



10.1114, 0.3279, 0.3377



10.4853, 0.5738, 0.3826



0.5377, 0.5287, 0.4184

Inverse Universe

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



17.5074, 0.1907, 0.2044



29.8031, 0.1883, 0.1977



4.7700, 0.1547, 0.0740



10.1871, 0.2984, 0.3201



11.2722, 0.1894, 0.2018



0.5638, 0.1988, 0.2357

Previews

White Background



This preview shows how the Yxy color 16.2584, 0.5684, 0.3834 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 16.2584, 0.5684, 0.3834 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 16.2584, 0.5684, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 16.2584, 0.5684, 0.3834.



This preview shows how white text looks on a background with the Yxy color 16.2584, 0.5684, 0.3834.

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

16.2584, 0.5684, 0.3834

Protanopia

16.3728, 0.4323, 0.4787

Deuteranopia

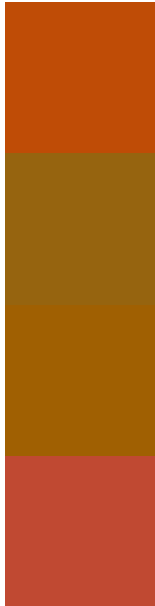
16.3550, 0.4709, 0.4643



Tritanopia

16.3519, 0.5069, 0.3249

Trichromacy



Original Color

16.2584, 0.5684, 0.3834

Protanomaly

15.6329, 0.4863, 0.4414

Deuteranomaly

15.8437, 0.5098, 0.4321

Tritanomaly

16.2018, 0.5399, 0.3542

Monochromacy



Original Color

16.2584, 0.5684, 0.3834

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.3023, 0.4198, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2584, 0.5684, 0.3834 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(191, 76, 6)` looks like.

```
.text, #text, p{  
  color:rgb(191, 76, 6)  
}
```

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(191, 76, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 76, 6) }
```

Border

The CSS property to change the border of an element to Yxy 16.2584, 0.5684, 0.3834 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(191, 76, 6) }
```

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

```
.border{ border-color:rgb(191, 76, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 76, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 76, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 76, 6);  
box-shadow:4px 4px 4px 4px rgb(191, 76, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2584, 0.5684, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 76, 6) }
```

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

```
.background{ background-color: rgb(191, 76,  
6) }
```

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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