

Converting Colors

$Y_{xy}(16.7945, 0.5575, 0.3923)$

Have a look what the booklet for
Yxy(16.7945, 0.5575, 0.3923)
contains.

Yxy(16.7391, 0.5574, 0.3922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7391, 0.5574, 0.3922)

Conversions

Conversions Part 1

Format	Color
Hex	BC5206
RGB	188, 82, 6
RGB Percent	74%, 32%, 2%
CMY	0.2627, 0.6784, 0.9762
CMYK	0.00, 0.56, 0.97, 0.26
HSL	25°, 94%, 38%
HSV	25°, 97%, 74%
XYZ	23.7898, 16.7391, 2.1511
YIQ	105.0300, 87.5720, -1.1640

Conversions

Conversions Part 2

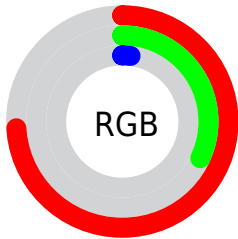
Format	Color
RYB	188, 136, 6
Decimal	12341766
CIELab	47.93, 39.55, 56.16
CIELCh	48, 68.684, 54.847
Yxy	16.7391, 0.5574, 0.3922
Android (android.graphics.Color)	4290531846 (0xFFBC5206)
YUV	105.0300, -48.8218, 72.7647
Hunter-Lab	40.9134, 32.1934, 25.5222

Details

The Yxy color **16.7391, 0.5574, 0.3922** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.2715, 0.1870, 0.1910**, and the grayscale version is **14.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9183, 0.5096, 0.3927**, and **5.4920, 0.6038, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **16.2077, 0.5649, 0.3897**, and if you desaturate by 10%, it is **18.5823, 0.5327, 0.3988**.

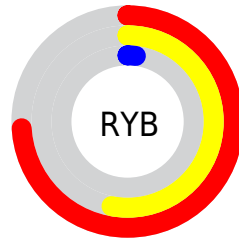
Distribution



Red (74%)

Green (32%)

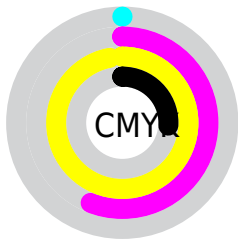
Blue (2%)



Red (74%)

Yellow (53%)

Blue (2%)

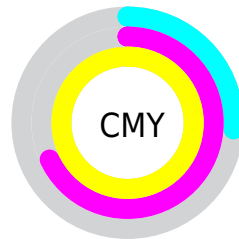


Cyan (0%)

Magenta (56%)

Yellow (97%)

Black (26%)



Cyan (26%)


Magenta (68%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7391, 0.5574, 0.3922 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 16.7391, 0.5574, 0.3922 by changing the saturation by 10% instead.

 16.7391, 0.5574,
0.3922


 16.7391, 0.5574,
0.3922


233.6644, 0.4244,
0.3753


 10.0487, 0.5886,
0.3865


 37.8767, 0.5094,
0.3926

 5.4312, 0.6267,
0.3733

 53.0925, 0.4909,
0.3905


 2.5024, 0.6609,
0.3391

 71.9190, 0.4753,
0.3880

 0.8779, 0.7156,
0.2844

 94.7405, 0.4620,
0.3853


 0.0000, 1.0000,
0.0000


 121.9414, 0.4505,
0.3826


 0.0000, 0.0000,
0.0000


 153.9061, 0.4406,


0.3800

 191.0189, 0.4320,
0.3776

 16.7391, 0.5574,
0.3922


 16.7391, 0.5574,
0.3922


 16.2077, 0.5649,
0.3897

 18.5823, 0.5327,
0.3988

 20.7534, 0.5038,
0.4002

 23.2747, 0.4728,
0.3967

 26.1642, 0.4418,
0.3896

 29.4385, 0.4125,
0.3800

■ 33.1127, 0.3858,
0.3692

■ 37.2012, 0.3621,
0.3578

■ 41.7175, 0.3414,
0.3466

■ 46.6743, 0.3234,
0.3359

Harmonies

Analogous

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



16.7391, 0.5493, 0.3135



16.7391, 0.5574, 0.3922



16.7391, 0.4895, 0.4819

Triad

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



16.7391, 0.5574, 0.3922



16.7391, 0.1741, 0.4311



16.7391, 0.1984, 0.1548

Complementary

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



16.7391, 0.5574, 0.3922



15.2715, 0.1870, 0.1910

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.



16.7391, 0.1362, 0.1533



16.7391, 0.5574, 0.3922



16.7391, 0.1214, 0.2756

Square

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



16.7391, 0.5574, 0.3922



16.7391, 0.2715, 0.5660



16.7391, 0.1118, 0.1872



16.7391, 0.3076, 0.1855

Rectangle

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



16.7391, 0.5574, 0.3922



16.7391, 0.4219, 0.5411



16.7391, 0.1118, 0.1872



16.7391, 0.1728, 0.1510

Sweetspot

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



16.7400, 0.5574, 0.3922



65.3452, 0.3682, 0.3609



11.9973, 0.4549, 0.2299



13.3708, 0.3783, 0.3657



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.7400, 0.5574, 0.3922



28.9148, 0.5676, 0.3875



40.5306, 0.4334, 0.4923



10.1731, 0.3278, 0.3386



11.1747, 0.5627, 0.3914



0.5672, 0.5203, 0.4251

Inverse Universe

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



15.2715, 0.1870, 0.1910



26.1113, 0.1843, 0.1836



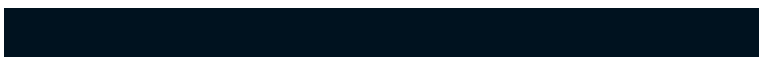
4.2146, 0.1532, 0.0685



10.1238, 0.2984, 0.3192



10.1452, 0.1855, 0.1879



0.5239, 0.1959, 0.2253

Previews

White Background



This preview shows how the Yxy color 16.7391, 0.5574, 0.3922 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 16.7391, 0.5574, 0.3922 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 16.7391, 0.5574, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 16.7391, 0.5574, 0.3922.



This preview shows how white text looks on a background with the Yxy color 16.7391, 0.5574, 0.3922.

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

16.7391, 0.5574, 0.3922

Protanopia

16.9756, 0.4327, 0.4800

Deuteranopia

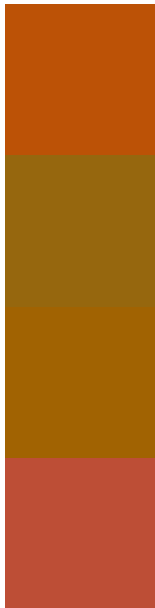
16.9570, 0.4701, 0.4649



Tritanopia

16.7101, 0.4895, 0.3233

Trichromacy



Original Color

16.7391, 0.5574, 0.3922

Protanomaly

16.2162, 0.4817, 0.4462

Deuteranomaly

16.5051, 0.5057, 0.4354

Tritanomaly

16.5339, 0.5264, 0.3571

Monochromacy



Original Color

16.7391, 0.5574, 0.3922

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.1300, 0.4144, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7391, 0.5574, 0.3922 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(188, 82, 6)` looks like.

```
.text, #text, p{  
  color:rgb(188, 82, 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(188, 82, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 82, 6) }
```

Border

The CSS property to change the border of an element to Yxy 16.7391, 0.5574, 0.3922 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(188, 82, 6) }
```

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

```
.border{ border-color:rgb(188, 82, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 82, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 82, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 82, 6);  
box-shadow:4px 4px 4px 4px rgb(188, 82, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7391, 0.5574, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 82, 6) }
```

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

```
.background{ background-color: rgb(188, 82,  
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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