

Converting Colors

$Y_{xy}(16.8498, 0.5552, 0.3877)$

Have a look what the booklet for
Yxy(16.8498, 0.5552, 0.3877)
contains.

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Color

Yxy(16.7411, 0.5558, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	BD5110
RGB	189, 81, 16
RGB Percent	74%, 32%, 6%
CMY	0.2589, 0.6823, 0.9374
CMYK	0.00, 0.57, 0.92, 0.26
HSL	23°, 84%, 40%
HSV	23°, 92%, 74%
XYZ	24.0183, 16.7411, 2.4546
YIQ	105.8820, 85.2330, 2.6810

Conversions

Conversions Part 2

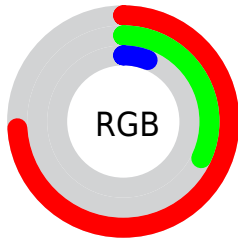
Format	Color
R_{YB}	189, 120, 16
Decimal	12407056
CIE _{Lab}	47.93, 40.54, 53.73
CIE _{LCh}	48, 67.308, 52.965
Yxy	16.7411, 0.5558, 0.3874
Android (android.graphics.Color)	4290597136 (0xFFBD5110)
YUV	105.8820, -44.3118, 72.8945
Hunter-Lab	40.9159, 33.1798, 25.0843

Details

The Yxy color **16.7411, 0.5558, 0.3874** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.1806, 0.1940, 0.2125**, and the grayscale version is **14.4866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9002, 0.5070, 0.3874**, and **5.4679, 0.6077, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **15.3299, 0.5766, 0.3804**, and if you desaturate by 10%, it is **18.7334, 0.5270, 0.3920**.

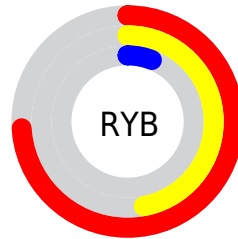
Distribution



Red (74%)

Green (32%)

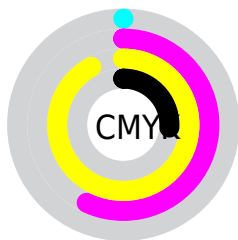
Blue (6%)



Red (74%)

Yellow (47%)

Blue (6%)

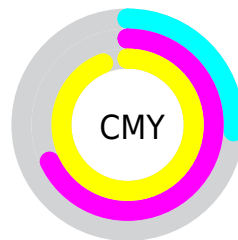


Cyan (0%)

Magenta (57%)

Yellow (92%)

Black (26%)



Cyan (26%)


Magenta (68%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7411, 0.5558, 0.3874 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 16.7411, 0.5558, 0.3874 by changing the saturation by 10% instead.


 16.7411, 0.5558,
0.3874


 16.7411, 0.5558,
0.3874

233.6760, 0.4225,
0.3720


 10.0501, 0.5874,
0.3816


 37.8801, 0.5071,
0.3879


 5.4322, 0.6298,
0.3702

 53.0969, 0.4885,
0.3860


 2.5030, 0.6644,
0.3356

 71.9243, 0.4729,
0.3837

 0.8781, 0.7198,
0.2802

 94.7469, 0.4597,
0.3812


 0.0000, 1.0000,
0.0000


 121.9489, 0.4483,
0.3787


 0.0000, 0.0000,
0.0000


 153.9149, 0.4385,

0.3764


 191.0291, 0.4300,
0.3741


 16.7411, 0.5558,
0.3874


 16.7411, 0.5558,
0.3874

 15.3299, 0.5766,
0.3804

 18.7334, 0.5270,
0.3920

 21.1041, 0.4946,
0.3916

 23.8764, 0.4614,
0.3870

 27.0702, 0.4294,
0.3794

 30.7042, 0.4001,
0.3701

■ 34.7953, 0.3741,
0.3600

■ 39.3600, 0.3514,
0.3497

■ 44.4134, 0.3318,
0.3398

■ 49.9701, 0.3151,
0.3304

Harmonies

Analogous

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



16.7411, 0.5411, 0.3098



16.7411, 0.5558, 0.3874



16.7411, 0.4933, 0.4751

Triad

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



16.7411, 0.5558, 0.3874



16.7411, 0.1816, 0.4394



16.7411, 0.1951, 0.1562

Complementary

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



16.7411, 0.5558, 0.3874



18.1806, 0.1940, 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.



16.7411, 0.1360, 0.1568



16.7411, 0.5558, 0.3874



16.7411, 0.1261, 0.2849

Square

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



16.7411, 0.5558, 0.3874



16.7411, 0.2800, 0.5647



16.7411, 0.1140, 0.1933



16.7411, 0.2999, 0.1849

Rectangle

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



16.7411, 0.5558, 0.3874



16.7411, 0.4281, 0.5334



16.7411, 0.1140, 0.1933



16.7411, 0.1707, 0.1530

Sweetspot

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



16.7420, 0.5558, 0.3874



65.5944, 0.3643, 0.3557



12.6806, 0.4271, 0.2175



13.5227, 0.3724, 0.3592



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.



16.7420, 0.5558, 0.3874



27.0387, 0.5793, 0.3782



38.0939, 0.4403, 0.4834



10.1084, 0.3279, 0.3377



10.4532, 0.5743, 0.3822



0.5363, 0.5291, 0.4181

Inverse Universe

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



18.1806, 0.1940, 0.2125



29.2825, 0.1885, 0.1985



5.2369, 0.1582, 0.0819



10.1902, 0.2984, 0.3202



11.3303, 0.1896, 0.2025



0.5658, 0.1990, 0.2362

Previews

White Background



This preview shows how the Yxy color 16.7411, 0.5558, 0.3874 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 16.7411, 0.5558, 0.3874 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 16.7411, 0.5558, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 16.7411, 0.5558, 0.3874.



This preview shows how white text looks on a background with the Yxy color 16.7411, 0.5558, 0.3874.

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

16.7411, 0.5558, 0.3874

Protanopia

16.9988, 0.4296, 0.4755

Deuteranopia

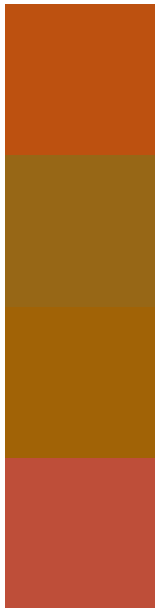
16.9570, 0.4701, 0.4649



Tritanopia

16.8244, 0.4923, 0.3246

Trichromacy



Original Color

16.7411, 0.5558, 0.3874

Protanomaly

16.3377, 0.4790, 0.4407

Deuteranomaly

16.5139, 0.5043, 0.4340

Tritanomaly

16.6913, 0.5235, 0.3538

Monochromacy



Original Color

16.7411, 0.5558, 0.3874

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.2647, 0.4099, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7411, 0.5558, 0.3874 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(189, 81, 16)` looks like.

```
.text, #text, p{  
    color:rgb(189, 81, 16)  
}
```

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(189, 81, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 81, 16) }
```

Border

The CSS property to change the border of an element to Yxy 16.7411, 0.5558, 0.3874 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(189, 81, 16) }
```

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

```
.border{ border-color:rgb(189, 81, 16) }
```

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

Here you see how a box with a 4 pixel rgb(189, 81, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 81, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 81, 16);  
box-shadow:4px 4px 4px 4px rgb(189, 81,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7411, 0.5558, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 81, 16) }
```

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

```
.background{ background-color: rgb(189, 81,  
16) }
```

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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