

Converting Colors

$Y_{xy}(16.7959, 0.5654, 0.3893)$

Have a look what the booklet for
Yxy(16.7959, 0.5654, 0.3893)
contains.

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Color

Yxy(16.8137, 0.5647, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	BF5000
RGB	191, 80, 0
RGB Percent	75%, 31%, 0%
CMY	0.2509, 0.6863, 0.9998
CMYK	0.00, 0.58, 1.00, 0.25
HSL	25°, 100%, 37%
HSV	25°, 100%, 75%
XYZ	24.3579, 16.8137, 1.9626
YIQ	104.0690, 91.8360, -1.3480

Conversions

Conversions Part 2

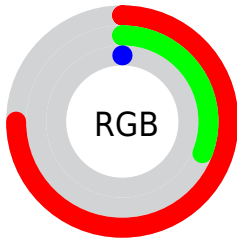
Format	Color
R_{YB}	191, 138, 0
Decimal	12537856
CIE Lab	48.02, 41.63, 57.95
CIE LCh	48, 71.349, 54.310
Yxy	16.8137, 0.5647, 0.3898
Android (android.graphics.Color)	4290727936 (0xFFBF5000)
YUV	104.0690, -51.3060, 76.2385
Hunter-Lab	41.0045, 34.2763, 25.8654

Details

The Yxy color **16.8137, 0.5647, 0.3898** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.1456, 0.1849, 0.1854**, and the grayscale version is **13.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8996, 0.5159, 0.3915**, and **5.4976, 0.6098, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **16.8112, 0.5647, 0.3898**, and if you desaturate by 10%, it is **18.6246, 0.5411, 0.3974**.

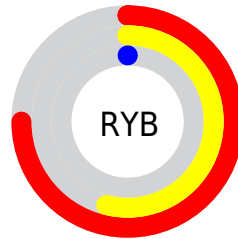
Distribution



Red (75%)

Green (31%)

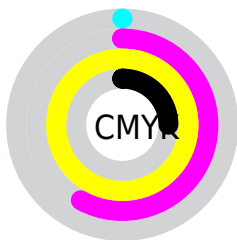
Blue (0%)



Red (75%)

Yellow (54%)

Blue (0%)

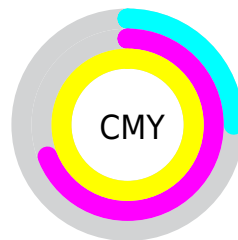


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8137, 0.5647, 0.3898 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 16.8137, 0.5647, 0.3898 by changing the saturation by 10% instead.


 16.8137, 0.5647,
0.3898


 16.8137, 0.5647,
0.3898


 234.0965, 0.4287,
0.3758


 10.1018, 0.5966,
0.3832


 38.0052, 0.5161,
0.3918


 5.4665, 0.6328,
0.3672

 53.2535, 0.4972,
0.3901


 2.5235, 0.6679,
0.3321

 72.1161, 0.4812,
0.3879

 0.8884, 0.7237,
0.2763

 94.9773, 0.4675,
0.3854


 0.0000, 1.0000,
0.0000


 122.2216, 0.4557,
0.3828


 0.0000, 0.0000,
0.0000


 154.2332, 0.4454,

0.3804

 191.3968, 0.4365,
0.3780

 16.8137, 0.5647,
0.3898


 16.8137, 0.5647,
0.3898


 16.8112, 0.5647,
0.3898

 18.6246, 0.5411,
0.3974

 20.7623, 0.5134,
0.4005

 23.2560, 0.4829,
0.3985

 26.1250, 0.4517,
0.3924

 29.3869, 0.4217,
0.3835

■ 33.0578, 0.3941,
0.3729

■ 37.1528, 0.3694,
0.3616

■ 41.6862, 0.3477,
0.3503

■ 46.6715, 0.3289,
0.3393

Harmonies

Analogous

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



16.8137, 0.5562, 0.3102



16.8137, 0.5647, 0.3898



16.8137, 0.4943, 0.4820

Triad

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



16.8137, 0.5647, 0.3898



16.8137, 0.1707, 0.4382



16.8137, 0.1934, 0.1502

Complementary

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



16.8137, 0.5647, 0.3898



15.1456, 0.1849, 0.1854

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.



16.8137, 0.1310, 0.1490



16.8137, 0.5647, 0.3898



16.8137, 0.1168, 0.2752

Square

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



16.8137, 0.5647, 0.3898



16.8137, 0.2706, 0.5774



16.8137, 0.1069, 0.1837



16.8137, 0.3046, 0.1809

Rectangle

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



16.8137, 0.5647, 0.3898



16.8137, 0.4245, 0.5445



16.8137, 0.1069, 0.1837



16.8137, 0.1676, 0.1465

Sweetspot

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



16.8147, 0.5647, 0.3898



66.1465, 0.3706, 0.3622



12.2368, 0.4613, 0.2315



13.8207, 0.3808, 0.3670



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.



16.8147, 0.5647, 0.3898



29.6486, 0.5674, 0.3877



41.7781, 0.4347, 0.4930



10.1751, 0.3278, 0.3386



11.1977, 0.5624, 0.3917



0.5682, 0.5200, 0.4253

Inverse Universe

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



15.1456, 0.1849, 0.1854



26.6223, 0.1842, 0.1831



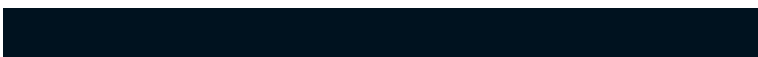
4.1318, 0.1515, 0.0653



10.1218, 0.2984, 0.3192



10.1111, 0.1854, 0.1875



0.5226, 0.1958, 0.2250

Previews

White Background



This preview shows how the Yxy color 16.8137, 0.5647, 0.3898 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 16.8137, 0.5647, 0.3898 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 16.8137, 0.5647, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 16.8137, 0.5647, 0.3898.



This preview shows how white text looks on a background with the Yxy color 16.8137, 0.5647, 0.3898.

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

16.8137, 0.5647, 0.3898

Protanopia

16.9723, 0.4331, 0.4807

Deuteranopia

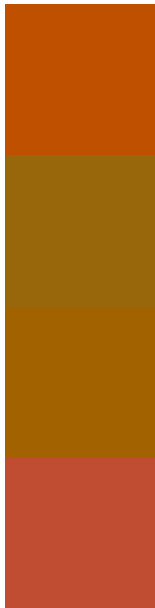
16.9570, 0.4701, 0.4649



Tritanopia

16.7995, 0.4978, 0.3235

Trichromacy



Original Color

16.8137, 0.5647, 0.3898

Protanomaly

16.2023, 0.4870, 0.4443

Deuteranomaly

16.4167, 0.5092, 0.4339

Tritanomaly

16.6056, 0.5364, 0.3578

Monochromacy



Original Color

16.8137, 0.5647, 0.3898

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8120, 0.4223, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8137, 0.5647, 0.3898 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, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 80, 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(191, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8137, 0.5647, 0.3898 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, 80, 0) }
```

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

```
.border{ border-color:rgb(191, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8137, 0.5647, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 80, 0) }
```

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

```
.background{ background-color: rgb(191, 80,  
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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