

Converting Colors

$Y_{xy}(16.8900, 0.5487, 0.4135)$

Have a look what the booklet for
Yxy(16.8900, 0.5487, 0.4135)
contains.

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Color

Yxy(16.8481, 0.5421, 0.4078)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B45900 |
| RGB | 180, 89, 0 |
| RGB Percent | 71%, 35%, 0% |
| CMY | 0.2941, 0.6510, 1.0000 |
| CMYK | 0.00, 0.51, 1.00, 0.29 |
| HSL | 30°, 100%, 35% |
| HSV | 30°, 100%, 71% |
| XYZ | 22.3967, 16.8481, 2.0699 |
| YIQ | 106.0630, 82.8050, -8.3870 |

Conversions

Conversions Part 2

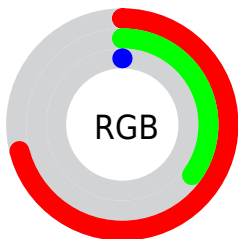
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 180, 176, 0 |
| Decimal | 11819264 |
| CIE Lab | 48.07, 32.67, 57.08 |
| CIE LCh | 48, 65.774, 60.214 |
| Yxy | 16.8481, 0.5421, 0.4078 |
| Android (android.graphics.Color) | 4290009344 (0xFFB45900) |
| YUV | 106.0630, -52.2891, 64.8427 |
| Hunter-Lab | 41.0464, 25.5658, 25.7427 |

Details

The Yxy color **16.8481, 0.5421, 0.4078** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.7802, 0.1778, 0.1600**, and the grayscale version is **14.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9703, 0.4978, 0.4036**, and **5.5107, 0.5813, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **16.8491, 0.5421, 0.4078**, and if you desaturate by 10%, it is **18.5024, 0.5212, 0.4137**.

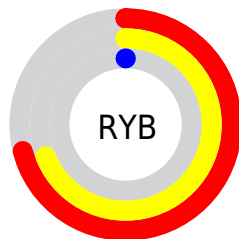
Distribution



Red (71%)

Green (35%)

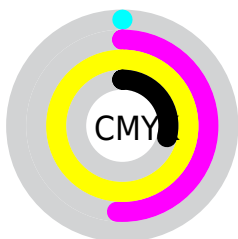
Blue (0%)



Red (71%)

Yellow (69%)

Blue (0%)

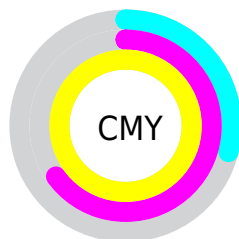


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8481, 0.5421, 0.4078 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 16.8481, 0.5421, 0.4078 by changing the saturation by 10% instead.


 16.8481, 0.5421,
0.4078

 16.8481, 0.5421,
0.4078


234.2955, 0.4183,
0.3810


 10.1262, 0.5709,
0.4052


 38.0644, 0.4978,
0.4042


 5.4827, 0.6048,
0.3952

 53.3277, 0.4806,
0.4007

 2.5332, 0.6346,
0.3654

 72.2069, 0.4660,
0.3970

 0.8932, 0.6837,
0.3163

 95.0864, 0.4535,
0.3934


 0.0000, 1.0000,
0.0000

 122.3506, 0.4428,
0.3899

 0.0000, 0.0000,
0.0000

 154.3839, 0.4335,

0.3867


 191.5708, 0.4254,
0.3837


 16.8481, 0.5421,
0.4078


 16.8481, 0.5421,
0.4078


 16.8491, 0.5421,
0.4078

 18.5024, 0.5212,
0.4137

 20.3894, 0.4971,
0.4150

 22.5316, 0.4704,
0.4113

 24.9423, 0.4429,
0.4034

 27.6331, 0.4159,
0.3927

■ 30.6150, 0.3906,
0.3803

■ 33.8981, 0.3675,
0.3671

■ 37.4920, 0.3469,
0.3539

■ 41.4056, 0.3287,
0.3411

Harmonies

Analogous

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



16.8481, 0.5481, 0.3289



16.8481, 0.5421, 0.4078



16.8481, 0.4693, 0.4950

Triad

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



16.8481, 0.5421, 0.4078



16.8481, 0.1670, 0.3974



16.8481, 0.2182, 0.1635

Complementary

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



16.8481, 0.5421, 0.4078



10.7802, 0.1778, 0.1600

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.



16.8481, 0.1495, 0.1569



16.8481, 0.5421, 0.4078



16.8481, 0.1231, 0.2586

Square

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



16.8481, 0.5421, 0.4078



16.8481, 0.2558, 0.5392



16.8481, 0.1195, 0.1835



16.8481, 0.3314, 0.1984

Rectangle

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



16.8481, 0.5421, 0.4078



16.8481, 0.4018, 0.5470



16.8481, 0.1195, 0.1835



16.8481, 0.1904, 0.1580

Sweetspot

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



16.8491, 0.5421, 0.4078



61.1367, 0.3687, 0.3678



10.4951, 0.4885, 0.2465



12.6683, 0.3780, 0.3733



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.8491, 0.5421, 0.4078



30.0819, 0.5446, 0.4058



41.1535, 0.4222, 0.5029



9.1760, 0.3275, 0.3403



11.8922, 0.5402, 0.4093



0.4910, 0.4980, 0.4428

Inverse Universe

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



10.7802, 0.1778, 0.1600



19.0768, 0.1770, 0.1571



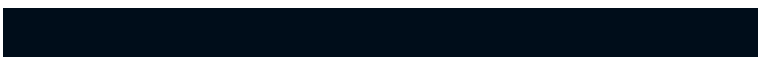
3.3609, 0.1503, 0.0611



8.9166, 0.2985, 0.3175



7.6577, 0.1784, 0.1620



0.3575, 0.1924, 0.2126

Previews

White Background



This preview shows how the Yxy color 16.8481, 0.5421, 0.4078 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 16.8481, 0.5421, 0.4078 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 16.8481, 0.5421, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 16.8481, 0.5421, 0.4078.



This preview shows how white text looks on a background with the Yxy color 16.8481, 0.5421, 0.4078.

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

16.8481, 0.5421, 0.4078

Protanopia

16.9660, 0.4340, 0.4819

Deuteranopia

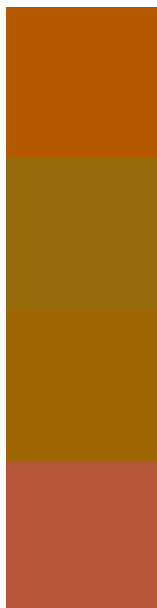
16.9570, 0.4701, 0.4649



Tritanopia

16.9584, 0.4639, 0.3226

Trichromacy



Original Color

16.8481, 0.5421, 0.4078

Protanomaly

16.6259, 0.4757, 0.4539

Deuteranomaly

16.7718, 0.4978, 0.4429

Tritanomaly

16.7276, 0.5085, 0.3658

Monochromacy



Original Color

16.8481, 0.5421, 0.4078

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5061, 0.4114, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8481, 0.5421, 0.4078 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(180, 89, 0)` looks like.

```
.text, #text, p{  
  color:rgb(180, 89, 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(180, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8481, 0.5421, 0.4078 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(180, 89, 0) }
```

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

```
.border{ border-color:rgb(180, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8481, 0.5421, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 89, 0) }
```

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

```
.background{ background-color: rgb(180, 89,  
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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