

Converting Colors

$Y_{xy}(16.9530, 0.5451, 0.3936)$

Have a look what the booklet for
Yxy(16.9530, 0.5451, 0.3936)
contains.

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Color

Yxy(16.8583, 0.5452, 0.3932)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B95513 |
| RGB | 185, 85, 19 |
| RGB Percent | 73%, 33%, 7% |
| CMY | 0.2745, 0.6667, 0.9252 |
| CMYK | 0.00, 0.54, 0.90, 0.27 |
| HSL | 24°, 81%, 40% |
| HSV | 24°, 90%, 73% |
| XYZ | 23.3752, 16.8583, 2.6411 |
| YIQ | 107.3760, 80.7860, 0.6740 |

Conversions

Conversions Part 2

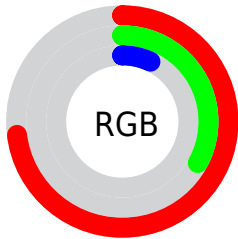
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 185, 129, 19 |
| Decimal | 12145939 |
| CIELab | 48.08, 37.05, 52.59 |
| CIElCh | 48, 64.332, 54.834 |
| Yxy | 16.8583, 0.5452, 0.3932 |
| Android (android.graphics.Color) | 4290336019 (0xFFB95513) |
| YUV | 107.3760, -43.5694, 68.0762 |
| Hunter-Lab | 41.0589, 29.7689, 24.9274 |

Details

The Yxy color **16.8583, 0.5452, 0.3932** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.8539, 0.1934, 0.2085**, and the grayscale version is **14.9222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1204, 0.4977, 0.3917**, and **5.5620, 0.5953, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **15.1938, 0.5697, 0.3855**, and if you desaturate by 10%, it is **18.8453, 0.5164, 0.3965**.

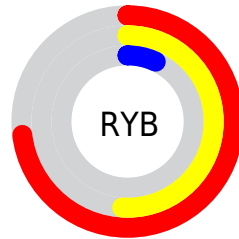
Distribution



Red (73%)

Green (33%)

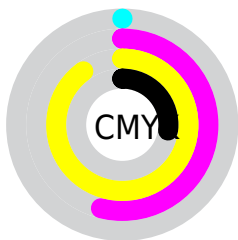
Blue (7%)



Red (73%)

Yellow (51%)

Blue (7%)

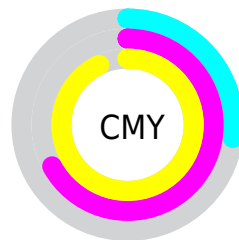


Cyan (0%)

Magenta (54%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (67%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8583, 0.5452, 0.3932 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 16.8583, 0.5452, 0.3932 by changing the saturation by 10% instead.


 16.8583, 0.5452,
0.3932


 16.8583, 0.5452,
0.3932


234.3545, 0.4173,
0.3731


 10.1335, 0.5758,
0.3892


 38.0820, 0.4983,
0.3915


 5.4876, 0.6186,
0.3814

 53.3497, 0.4805,
0.3889


 2.5361, 0.6511,
0.3489

 72.2338, 0.4655,
0.3860

 0.8946, 0.7037,
0.2963

 95.1187, 0.4528,
0.3831


 0.0000, 1.0000,
0.0000


 122.3888, 0.4420,
0.3804

 0.0000, 0.0000,
0.0000


 154.4286, 0.4326,

0.3778


 191.6223, 0.4245,
0.3753

 16.8583, 0.5452,
0.3932

 16.8583, 0.5452,
0.3932

 15.1938, 0.5697,
0.3855


 18.8453, 0.5164,
0.3965

 15.1470, 0.5704,
0.3853

 21.1792, 0.4848,
0.3947

 23.8802, 0.4527,
0.3889

 26.9655, 0.4221,
0.3804

 30.4513, 0.3940,
0.3703

■ 34.3525, 0.3691,
0.3596

■ 38.6832, 0.3473,
0.3489

■ 43.4569, 0.3284,
0.3385

■ 48.6863, 0.3123,
0.3287

Harmonies

Analogous

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



16.8583, 0.5348, 0.3166



16.8583, 0.5452, 0.3932



16.8583, 0.4835, 0.4780

Triad

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



16.8583, 0.5452, 0.3932



16.8583, 0.1827, 0.4243



16.8583, 0.2046, 0.1627

Complementary

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



16.8583, 0.5452, 0.3932



16.8539, 0.1934, 0.2085

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.



16.8583, 0.1442, 0.1617



16.8583, 0.5452, 0.3932



16.8583, 0.1308, 0.2805

Square

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



16.8583, 0.5452, 0.3932



16.8583, 0.2765, 0.5482



16.8583, 0.1205, 0.1954



16.8583, 0.3086, 0.1925

Rectangle

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



16.8583, 0.5452, 0.3932



16.8583, 0.4201, 0.5315



16.8583, 0.1205, 0.1954



16.8583, 0.1799, 0.1591

Sweetspot

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



16.8592, 0.5452, 0.3932



63.1985, 0.3639, 0.3572



12.1734, 0.4296, 0.2205



13.0846, 0.3717, 0.3608



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.8592, 0.5452, 0.3932



26.7002, 0.5732, 0.3831



37.5064, 0.4360, 0.4853



9.5821, 0.3278, 0.3381



10.4470, 0.5682, 0.3871



0.4903, 0.5210, 0.4246

Inverse Universe

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



16.8539, 0.1934, 0.2085



26.3602, 0.1864, 0.1910



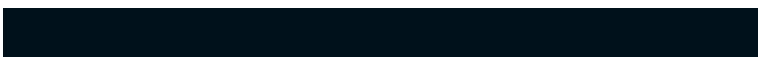
5.0560, 0.1592, 0.0827



9.5955, 0.2985, 0.3197



10.3455, 0.1876, 0.1951



0.4820, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 16.8583, 0.5452, 0.3932 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 16.8583, 0.5452, 0.3932 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 16.8583, 0.5452, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 16.8583, 0.5452, 0.3932.



This preview shows how white text looks on a background with the Yxy color 16.8583, 0.5452, 0.3932.

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

16.8583, 0.5452, 0.3932

Protanopia

17.0077, 0.4285, 0.4738

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.7969, 0.4786, 0.3230

Trichromacy



Original Color

16.8583, 0.5452, 0.3932

Protanomaly

16.3561, 0.4737, 0.4425

Deuteranomaly

16.6033, 0.5012, 0.4358

Tritanomaly

16.6502, 0.5121, 0.3552

Monochromacy



Original Color

16.8583, 0.5452, 0.3932

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5826, 0.4037, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8583, 0.5452, 0.3932 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(185, 85, 19)` looks like.

```
.text, #text, p{  
  color:rgb(185, 85, 19)  
}
```

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(185, 85, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 85, 19) }
```

Border

The CSS property to change the border of an element to Yxy 16.8583, 0.5452, 0.3932 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(185, 85, 19) }
```

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

```
.border{ border-color:rgb(185, 85, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 85, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 85, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 85, 19);  
box-shadow:4px 4px 4px 4px rgb(185, 85,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8583, 0.5452, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 85, 19) }
```

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

```
.background{ background-color: rgb(185, 85,  
19) }
```

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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