

Converting Colors

$Yxy(16.7308, 0.5398, 0.3980)$

Have a look what the booklet for
Yxy(16.7308, 0.5398, 0.3980)
contains.

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Color

Yxy(16.8051, 0.5401, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	B65712
RGB	182, 87, 18
RGB Percent	71%, 34%, 7%
CMY	0.2864, 0.6587, 0.9294
CMYK	0.00, 0.52, 0.90, 0.29
HSL	25°, 82%, 39%
HSV	25°, 90%, 71%
XYZ	22.8051, 16.8051, 2.6137
YIQ	107.5390, 78.7690, -1.3190

Conversions

Conversions Part 2

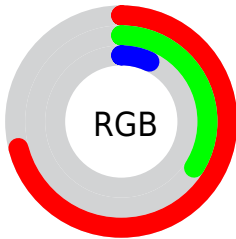
Format	Color
RYB	182, 137, 18
Decimal	11949842
CIELab	48.01, 34.77, 52.67
CIElCh	48, 63.118, 56.568
Yxy	16.8051, 0.5401, 0.3980
Android (android.graphics.Color)	4290139922 (0xFFB65712)
YUV	107.5390, -44.1427, 65.3023
Hunter-Lab	40.9940, 27.5606, 24.9157

Details

The Yxy color **16.8051, 0.5401, 0.3980** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.3046, 0.1912, 0.2005**, and the grayscale version is **14.9711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1405, 0.4941, 0.3955**, and **5.5238, 0.5872, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **15.1947, 0.5635, 0.3908**, and if you desaturate by 10%, it is **18.7242, 0.5126, 0.4010**.

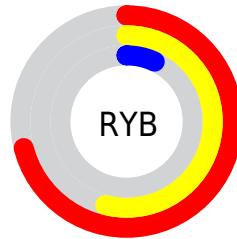
Distribution



Red (71%)

Green (34%)

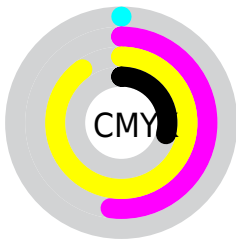
Blue (7%)



Red (71%)

Yellow (54%)

Blue (7%)

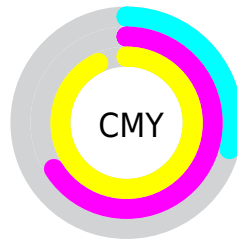


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (29%)



Cyan (29%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8051, 0.5401, 0.3980 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 16.8051, 0.5401, 0.3980 by changing the saturation by 10% instead.


 16.8051, 0.5401,
0.3980


 16.8051, 0.5401,
0.3980


234.0467, 0.4151,
0.3747


 10.0956, 0.5699,
0.3949


 37.9904, 0.4942,
0.3949

 5.4624, 0.6116,
0.3884


 53.2350, 0.4768,
0.3919


 2.5210, 0.6428,
0.3572

 72.0934, 0.4622,
0.3887

 0.8871, 0.6938,
0.3062

 94.9500, 0.4498,
0.3855


 0.0000, 1.0000,
0.0000


 122.1893, 0.4392,
0.3825


 0.0000, 0.0000,
0.0000


 154.1956, 0.4301,

0.3797


 191.3532, 0.4221,
0.3771


 16.8051, 0.5401,
0.3980


 16.8051, 0.5401,
0.3980


 15.1947, 0.5635,
0.3908

 18.7242, 0.5126,
0.4010

 20.9581, 0.4822,
0.3989

 23.5250, 0.4512,
0.3927

 26.4401, 0.4215,
0.3837

 29.7179, 0.3940,
0.3731

■ 33.3715, 0.3694,
0.3618

■ 37.4135, 0.3478,
0.3505

■ 41.8558, 0.3291,
0.3395

■ 46.7097, 0.3129,
0.3291

Harmonies

Analogous

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



16.8051, 0.5342, 0.3215



16.8051, 0.5401, 0.3980



16.8051, 0.4769, 0.4817

Triad

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



16.8051, 0.5401, 0.3980



16.8051, 0.1807, 0.4136



16.8051, 0.2110, 0.1658

Complementary

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



16.8051, 0.5401, 0.3980



15.3046, 0.1912, 0.2005

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.



16.8051, 0.1487, 0.1631



16.8051, 0.5401, 0.3980



16.8051, 0.1316, 0.2751

Square

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



16.8051, 0.5401, 0.3980



16.8051, 0.2716, 0.5396



16.8051, 0.1233, 0.1944



16.8051, 0.3159, 0.1968

Rectangle

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



16.8051, 0.5401, 0.3980



16.8051, 0.4137, 0.5328



16.8051, 0.1233, 0.1944



16.8051, 0.1856, 0.1616

Sweetspot

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



16.8060, 0.5401, 0.3980



62.3941, 0.3634, 0.3588



11.5819, 0.4419, 0.2272



13.2524, 0.3712, 0.3627



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.



16.8060, 0.5401, 0.3980



27.1111, 0.5663, 0.3885



38.1073, 0.4304, 0.4903



9.6169, 0.3278, 0.3387



10.8586, 0.5615, 0.3923



0.5059, 0.5161, 0.4284

Inverse Universe

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



15.3046, 0.1912, 0.2005



24.1071, 0.1841, 0.1826



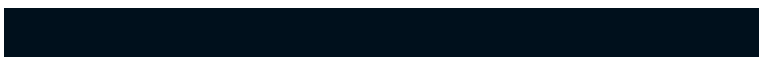
4.5199, 0.1576, 0.0775



9.5599, 0.2985, 0.3191



9.7098, 0.1853, 0.1869



0.4619, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 16.8051, 0.5401, 0.3980 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 16.8051, 0.5401, 0.3980 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 16.8051, 0.5401, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 16.8051, 0.5401, 0.3980.



This preview shows how white text looks on a background with the Yxy color 16.8051, 0.5401, 0.3980.

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

16.8051, 0.5401, 0.3980

Protanopia

16.9988, 0.4296, 0.4755

Deuteranopia

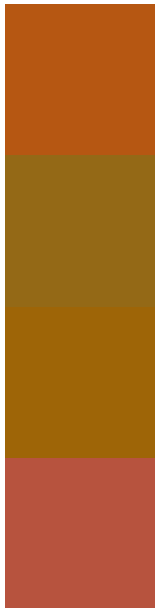
16.9570, 0.4701, 0.4649



Tritanopia

16.7633, 0.4684, 0.3214

Trichromacy



Original Color

16.8051, 0.5401, 0.3980

Protanomaly

16.4570, 0.4720, 0.4462

Deuteranomaly

16.5918, 0.4972, 0.4390

Tritanomaly

16.6016, 0.5039, 0.3561

Monochromacy



Original Color

16.8051, 0.5401, 0.3980

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.7732, 0.4029, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8051, 0.5401, 0.3980 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(182, 87, 18)` looks like.

```
.text, #text, p{  
    color:rgb(182, 87, 18)  
}
```

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(182, 87, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 87, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.8051, 0.5401, 0.3980 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(182, 87, 18) }
```

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

```
.border{ border-color:rgb(182, 87, 18) }
```

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

Here you see how a box with a 4 pixel rgb(182, 87, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 87, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 87, 18);  
box-shadow:4px 4px 4px 4px rgb(182, 87,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8051, 0.5401, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 87, 18) }
```

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

```
.background{ background-color: rgb(182, 87,  
18) }
```

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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