

Converting Colors

$Y_{xy}(16.7207, 0.4233, 0.5411)$

Have a look what the booklet for
Yxy(16.7207, 0.4233, 0.5411)
contains.

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Color

Yxy(16.8777, 0.4081, 0.5141)

Conversions

Conversions Part 1

Format	Color
Hex	707800
RGB	112, 120, 0
RGB Percent	44%, 47%, 0%
CMY	0.5608, 0.5294, 0.9996
CMYK	0.07, 0.00, 1.00, 0.53
HSL	64°, 100%, 24%
HSV	64°, 100%, 47%
XYZ	13.3978, 16.8777, 2.5541
YIQ	103.9280, 33.7520, -39.0160

Conversions

Conversions Part 2

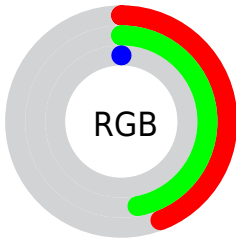
Format	Color
RYB	0, 120, 8
Decimal	7370752
CIELab	48.11, -16.10, 53.27
CIELCh	48, 55.655, 106.816
Yxy	16.8777, 0.4081, 0.5141
Android (android.graphics.Color)	4285560832 (0xFF707800)
YUV	103.9280, -51.2365, 7.0791
Hunter-Lab	41.0825, -13.6822, 25.0716

Details

The Yxy color **16.8777, 0.4081, 0.5141** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4107, 0.1535, 0.0620**, and the grayscale version is **13.9589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0907, 0.3940, 0.4747**, and **5.5954, 0.3931, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **16.8778, 0.4081, 0.5142**, and if you desaturate by 10%, it is **16.9579, 0.4058, 0.5072**.

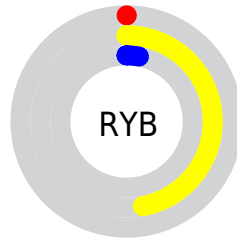
Distribution



Red (44%)

Green (47%)

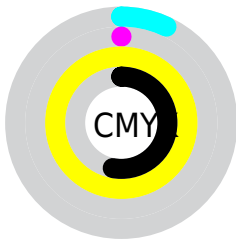
Blue (0%)



Red (0%)

Yellow (47%)

Blue (3%)

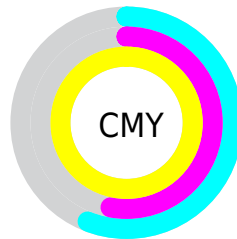


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8777, 0.4081, 0.5141 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 16.8777, 0.4081, 0.5141 by changing the saturation by 10% instead.


 16.8777, 0.4081,
0.5141


 16.8777, 0.4081,
0.5141


234.4666, 0.3620,
0.4099


 10.1473, 0.4140,
0.5398


 38.1154, 0.3940,
0.4751


 5.4968, 0.4216,
0.5784

 53.3915, 0.3876,
0.4605


 2.5416, 0.4016,
0.5984

 72.2850, 0.3819,
0.4484

 0.8974, 0.3388,
0.6612


 95.1802, 0.3769,
0.4381

 0.0000, 0.0000,
0.0000

 122.4616, 0.3724,
0.4295

 154.5135, 0.3685,


0.4220

 191.7204, 0.3651,
0.4156


 16.8777, 0.4081,
0.5141


 16.8777, 0.4081,
0.5141

 16.8778, 0.4081,
0.5142

 16.9579, 0.4058,
0.5072

 17.0508, 0.4020,
0.4978

 17.1663, 0.3958,
0.4843

 17.3068, 0.3873,
0.4672

 17.4747, 0.3770,
0.4470

■ 17.6718, 0.3651,
0.4245

■ 17.9000, 0.3523,
0.4007

■ 18.1609, 0.3390,
0.3764

■ 18.4561, 0.3257,
0.3522

Harmonies

Analogous

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



16.8777, 0.4873, 0.4481



16.8777, 0.4081, 0.5141



16.8777, 0.3112, 0.5272

Triad

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



16.8777, 0.4081, 0.5141



16.8777, 0.1387, 0.2277



16.8777, 0.3933, 0.2418

Complementary

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



16.8777, 0.4081, 0.5141



1.4107, 0.1535, 0.0620

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.



16.8777, 0.2822, 0.1968



16.8777, 0.4081, 0.5141



16.8777, 0.1520, 0.1842

Square

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



16.8777, 0.4081, 0.5141



16.8777, 0.1593, 0.3188



16.8777, 0.1987, 0.1763



16.8777, 0.4900, 0.3038

Rectangle

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



16.8777, 0.4081, 0.5141



16.8777, 0.2478, 0.4818



16.8777, 0.1987, 0.1763



16.8777, 0.3551, 0.2244

Sweetspot

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



16.8785, 0.4081, 0.5141



31.4447, 0.3534, 0.4027



4.1693, 0.6319, 0.3363



7.4185, 0.3578, 0.4109



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.8785, 0.4081, 0.5141



29.6593, 0.4078, 0.5144



14.1662, 0.3306, 0.5756



4.6210, 0.3246, 0.3502



18.4084, 0.4081, 0.5142



87.6626, 0.4075, 0.5147

Inverse Universe

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



1.4107, 0.1535, 0.0620



2.4522, 0.1525, 0.0614



2.5889, 0.2194, 0.0983



3.9052, 0.3003, 0.3070



1.5333, 0.1532, 0.0618



7.1749, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 16.8777, 0.4081, 0.5141 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 16.8777, 0.4081, 0.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

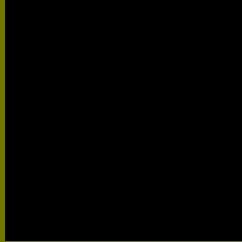
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8777, 0.4081, 0.5141

Background



This preview shows how black text looks on a background with the Yxy color 16.8777, 0.4081, 0.5141.



This preview shows how white text looks on a background with the Yxy color 16.8777, 0.4081, 0.5141.

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

16.8777, 0.4081, 0.5141

Protanopia

16.9286, 0.4391, 0.4896

Deuteranopia

16.7014, 0.4636, 0.4560



Tritanopia

17.0094, 0.3148, 0.3136

Trichromacy



Original Color

16.8777, 0.4081, 0.5141

Protanomaly

16.9335, 0.4278, 0.4985

Deuteranomaly

16.5204, 0.4441, 0.4772

Tritanomaly

16.6348, 0.3653, 0.4077

Monochromacy



Original Color

16.8777, 0.4081, 0.5141

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6710, 0.3647, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8777, 0.4081, 0.5141 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(112, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 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(112, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8777, 0.4081, 0.5141 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(112, 120, 0) }
```

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

```
.border{ border-color:rgb(112, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8777, 0.4081, 0.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 0) }
```

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

```
.background{ background-color: rgb(112,  
120, 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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