

Converting Colors

$Y_{xy}(16.4560, 0.4143, 0.5133)$

Have a look what the booklet for
Yxy(16.4560, 0.4143, 0.5133)
contains.

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Color

Yxy(16.4676, 0.4122, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	717600
RGB	113, 118, 0
RGB Percent	44%, 46%, 0%
CMY	0.5570, 0.5372, 0.9999
CMYK	0.04, 0.00, 1.00, 0.54
HSL	63°, 100%, 23%
HSV	63°, 100%, 46%
XYZ	13.2862, 16.4676, 2.4787
YIQ	103.0530, 34.8980, -37.7580

Conversions

Conversions Part 2

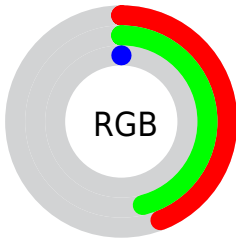
Format	Color
RYB	0, 118, 5
Decimal	7435776
CIELab	47.58, -14.57, 52.94
CIELCh	48, 54.909, 105.386
Yxy	16.4676, 0.4122, 0.5109
Android (android.graphics.Color)	4285625856 (0xFF717600)
YUV	103.0530, -50.8051, 8.7235
Hunter-Lab	40.5803, -12.5735, 24.7847

Details

The Yxy color **16.4676, 0.4122, 0.5109** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.3413, 0.1522, 0.0612**, and the grayscale version is **13.7087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4332, 0.3971, 0.4731**, and **5.3724, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **16.4683, 0.4122, 0.5109**, and if you desaturate by 10%, it is **16.5279, 0.4094, 0.5044**.

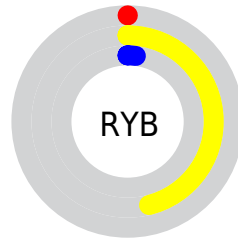
Distribution



Red (44%)

Green (46%)

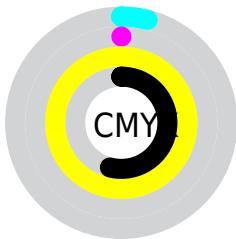
Blue (0%)



Red (0%)

Yellow (46%)

Blue (2%)

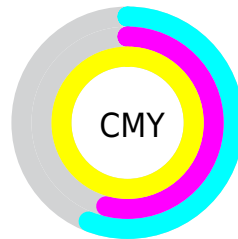


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (56%)


Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4676, 0.4122, 0.5109 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 16.4676, 0.4122, 0.5109 by changing the saturation by 10% instead.


 16.4676, 0.4122,
0.5109

 16.4676, 0.4122,
0.5109


232.0853, 0.3634,
0.4087


 9.8556, 0.4190,
0.5360


 37.4081, 0.3970,
0.4727


 5.3033, 0.4273,
0.5727

 52.5054, 0.3902,
0.4584


 2.4263, 0.4088,
0.5912


 71.2000, 0.3842,
0.4465

 0.8394, 0.3450,
0.6550


 93.8762, 0.3789,
0.4365


 0.0000, 0.0000,
0.0000

 120.9185, 0.3743,
0.4279


 152.7111, 0.3702,


0.4206


 189.6386, 0.3666,
0.4143

 16.4676, 0.4122,
0.5109

 16.4676, 0.4122,
0.5109


 16.4683, 0.4122,
0.5109

 16.5279, 0.4094,
0.5044

 16.5999, 0.4052,
0.4954

 16.6932, 0.3986,
0.4824

 16.8104, 0.3897,
0.4658

 16.9536, 0.3789,
0.4460

■ 17.1247, 0.3667,
0.4239

■ 17.3254, 0.3535,
0.4004

■ 17.5573, 0.3398,
0.3763

■ 17.8218, 0.3261,
0.3523

Harmonies

Analogous

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



16.4676, 0.4896, 0.4442



16.4676, 0.4122, 0.5109



16.4676, 0.3160, 0.5275

Triad

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



16.4676, 0.4122, 0.5109



16.4676, 0.1396, 0.2314



16.4676, 0.3875, 0.2396

Complementary

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



16.4676, 0.4122, 0.5109



1.3413, 0.1522, 0.0612

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.



16.4676, 0.2776, 0.1958



16.4676, 0.4122, 0.5109



16.4676, 0.1513, 0.1860

Square

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



16.4676, 0.4122, 0.5109



16.4676, 0.1620, 0.3244



16.4676, 0.1961, 0.1766



16.4676, 0.4857, 0.3008

Rectangle

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



16.4676, 0.4122, 0.5109



16.4676, 0.2525, 0.4855



16.4676, 0.1961, 0.1766



16.4676, 0.3495, 0.2226

Sweetspot

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



16.4684, 0.4122, 0.5109



30.4294, 0.3545, 0.4023



3.9381, 0.6359, 0.3332



6.9685, 0.3590, 0.4101



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.4684, 0.4122, 0.5109



28.9368, 0.4120, 0.5111



13.7738, 0.3349, 0.5723



4.2587, 0.3248, 0.3500



17.8117, 0.4122, 0.5109



86.7010, 0.4118, 0.5112

Inverse Universe

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



1.3413, 0.1522, 0.0612



2.3420, 0.1516, 0.0609



2.3637, 0.2127, 0.0946



3.5966, 0.3001, 0.3072



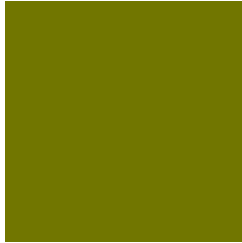
1.4488, 0.1521, 0.0612



6.9647, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 16.4676, 0.4122, 0.5109 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 Xy color 16.4676, 0.4122, 0.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

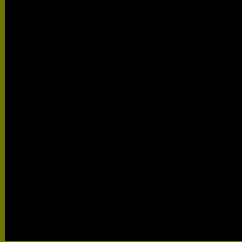
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.4676, 0.4122, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 16.4676, 0.4122, 0.5109.



This preview shows how white text looks on a background with the Yxy color 16.4676, 0.4122, 0.5109.

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

16.4676, 0.4122, 0.5109

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.4020, 0.4639, 0.4555



Tritanopia

16.5248, 0.3175, 0.3135

Trichromacy



Original Color

16.4676, 0.4122, 0.5109

Protanomaly

16.3990, 0.4293, 0.4973

Deuteranomaly

16.3010, 0.4456, 0.4758

Tritanomaly

16.1698, 0.3678, 0.4061

Monochromacy



Original Color

16.4676, 0.4122, 0.5109

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.2443, 0.3660, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4676, 0.4122, 0.5109 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(113, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 118, 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(113, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.4676, 0.4122, 0.5109 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(113, 118, 0) }
```

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

```
.border{ border-color:rgb(113, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4676, 0.4122, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 118, 0) }
```

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

```
.background{ background-color: rgb(113,  
118, 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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