

Converting Colors

$Y_{xy}(16.8031, 0.4189, 0.5533)$

Have a look what the booklet for
Yxy(16.8031, 0.4189, 0.5533)
contains.

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Color

Yxy(16.8629, 0.4012, 0.5196)

Conversions

Conversions Part 1

Format	Color
Hex	6C7900
RGB	108, 121, 0
RGB Percent	42%, 47%, 0%
CMY	0.5765, 0.5255, 0.9997
CMYK	0.11, 0.00, 1.00, 0.53
HSL	66°, 100%, 24%
HSV	66°, 100%, 47%
XYZ	13.0204, 16.8629, 2.5703
YIQ	103.3190, 31.0930, -40.3870

Conversions

Conversions Part 2

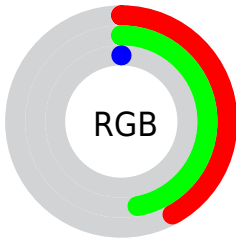
Format	Color
RYB	0, 121, 13
Decimal	7108864
CIELab	48.09, -18.49, 53.12
CIELCh	48, 56.246, 109.188
Yxy	16.8629, 0.4012, 0.5196
Android (android.graphics.Color)	4285298944 (0xFF6C7900)
YUV	103.3190, -50.9363, 4.1052
Hunter-Lab	41.0645, -15.2655, 25.0340

Details

The Yxy color **16.8629, 0.4012, 0.5196** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4684, 0.1555, 0.0631**, and the grayscale version is **13.7859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0438, 0.3892, 0.4781**, and **5.6058, 0.3826, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **16.8631, 0.4012, 0.5196**, and if you desaturate by 10%, it is **16.9728, 0.3996, 0.5120**.

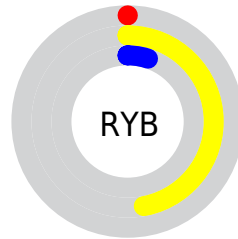
Distribution



Red (42%)

Green (47%)

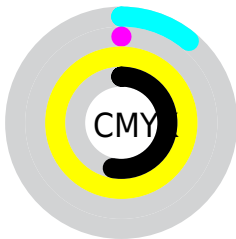
Blue (0%)



Red (0%)

Yellow (47%)

Blue (5%)

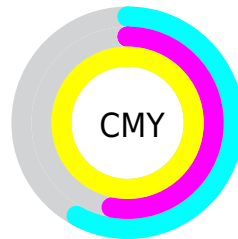


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (58%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8629, 0.4012, 0.5196 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 16.8629, 0.4012, 0.5196 by changing the saturation by 10% instead.


 16.8629, 0.4012,
0.5196

 16.8629, 0.4012,
0.5196


 234.3811, 0.3593,
0.4114


 10.1368, 0.4057,
0.5469


 38.0899, 0.3888,
0.4786


 5.4897, 0.4115,
0.5885

 53.3596, 0.3830,
0.4635

 2.5374, 0.3884,
0.6116

 72.2459, 0.3778,
0.4509

 0.8953, 0.3086,
0.6914

 95.1333, 0.3731,
0.4404


 0.0000, 0.0000,
0.0000


 122.4061, 0.3690,
0.4314


 154.4487, 0.3654,

0.4238

 191.6456, 0.3621,
0.4172


 16.8629, 0.4012,
0.5196


 16.8629, 0.4012,
0.5196


 16.8631, 0.4012,
0.5196

 16.9728, 0.3996,
0.5120

 17.0965, 0.3965,
0.5018

 17.2438, 0.3910,
0.4875

 17.4175, 0.3833,
0.4695

 17.6197, 0.3736,
0.4486

■ 17.8526, 0.3625,
0.4256

■ 18.1179, 0.3504,
0.4013

■ 18.4174, 0.3378,
0.3767

■ 18.7525, 0.3251,
0.3523

Harmonies

Analogous

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



16.8629, 0.4835, 0.4546



16.8629, 0.4012, 0.5196



16.8629, 0.3030, 0.5266

Triad

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



16.8629, 0.4012, 0.5196



16.8629, 0.1372, 0.2215



16.8629, 0.4032, 0.2455

Complementary

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



16.8629, 0.4012, 0.5196



1.4684, 0.1555, 0.0631

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.



16.8629, 0.2900, 0.1985



16.8629, 0.4012, 0.5196



16.8629, 0.1532, 0.1811

Square

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



16.8629, 0.4012, 0.5196



16.8629, 0.1549, 0.3093



16.8629, 0.2029, 0.1758



16.8629, 0.4973, 0.3087

Rectangle

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



16.8629, 0.4012, 0.5196



16.8629, 0.2399, 0.4755



16.8629, 0.2029, 0.1758



16.8629, 0.3647, 0.2275

Sweetspot

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



16.8637, 0.4012, 0.5196



32.3998, 0.3514, 0.4033



4.3325, 0.6281, 0.3393



7.3705, 0.3555, 0.4115



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.



16.8637, 0.4012, 0.5196



30.1569, 0.4007, 0.5200



14.3159, 0.3266, 0.5788



4.6131, 0.3240, 0.3503



18.0661, 0.4011, 0.5197



85.9533, 0.4002, 0.5205

Inverse Universe

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



1.4684, 0.1555, 0.0631



2.5915, 0.1543, 0.0624



2.7842, 0.2264, 0.1021



3.9123, 0.3009, 0.3070



1.5685, 0.1553, 0.0629



7.2924, 0.1530, 0.0616

Previews

White Background



This preview shows how the Yxy color 16.8629, 0.4012, 0.5196 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 16.8629, 0.4012, 0.5196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

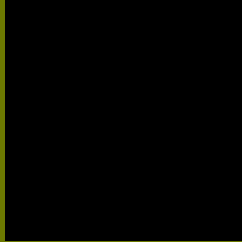
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8629, 0.4012, 0.5196

Background



This preview shows how black text looks on a background with the Yxy color 16.8629, 0.4012, 0.5196.



This preview shows how white text looks on a background with the Yxy color 16.8629, 0.4012, 0.5196.

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

16.8629, 0.4012, 0.5196

Protanopia

16.7018, 0.4406, 0.4883

Deuteranopia

16.7049, 0.4631, 0.4553



Tritanopia

16.7507, 0.3083, 0.3115

Trichromacy



Original Color

16.8629, 0.4012, 0.5196

Protanomaly

16.7875, 0.4250, 0.5008

Deuteranomaly

16.6646, 0.4409, 0.4790

Tritanomaly

16.3747, 0.3584, 0.4073

Monochromacy



Original Color

16.8629, 0.4012, 0.5196

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.5485, 0.3617, 0.4249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8629, 0.4012, 0.5196 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(108, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 121, 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(108, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8629, 0.4012, 0.5196 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(108, 121, 0) }
```

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

```
.border{ border-color:rgb(108, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(108, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8629, 0.4012, 0.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 121, 0) }
```

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

```
.background{ background-color: rgb(108,  
121, 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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