

Converting Colors

$Y_{xy}(16.4158, 0.4360, 0.5365)$

Have a look what the booklet for
Yxy(16.4158, 0.4360, 0.5365)
contains.

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Color

Yxy(16.4356, 0.4179, 0.5064)

Conversions

Conversions Part 1

Format	Color
Hex	747500
RGB	116, 117, 0
RGB Percent	45%, 46%, 0%
CMY	0.5451, 0.5412, 1.0000
CMYK	0.01, 0.00, 1.00, 0.54
HSL	61°, 100%, 23%
HSV	61°, 100%, 46%
XYZ	13.5633, 16.4356, 2.4569
YIQ	103.3630, 36.9610, -36.5990

Conversions

Conversions Part 2

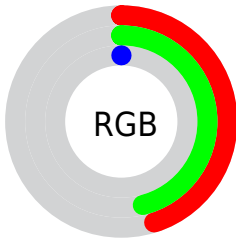
Format	Color
RYB	0, 117, 1
Decimal	7632128
CIELab	47.54, -12.60, 53.04
CIELCh	48, 54.513, 103.364
Yxy	16.4356, 0.4179, 0.5064
Android (android.graphics.Color)	4285822208 (0xFF747500)
YUV	103.3630, -50.9580, 11.0826
Hunter-Lab	40.5408, -11.2279, 24.7854

Details

The Yxy color **16.4356, 0.4179, 0.5064** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.2910, 0.1505, 0.0603**, and the grayscale version is **13.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3927, 0.4009, 0.4703**, and **5.3462, 0.4080, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **16.4364, 0.4179, 0.5064**, and if you desaturate by 10%, it is **16.4691, 0.4145, 0.5004**.

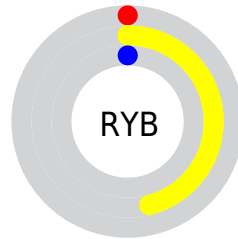
Distribution



Red (45%)

Green (46%)

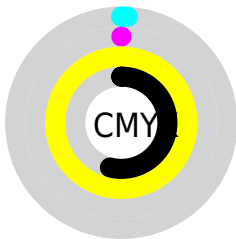
Blue (0%)



Red (0%)

Yellow (46%)

Blue (0%)

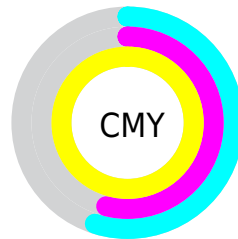


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (55%)


Magenta (54%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4356, 0.4179, 0.5064 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 16.4356, 0.4179, 0.5064 by changing the saturation by 10% instead.


 16.4356, 0.4179,
0.5064

 16.4356, 0.4179,
0.5064


 231.8986, 0.3656,
0.4075


 9.8329, 0.4258,
0.5302


 37.3528, 0.4012,
0.4698


 5.2883, 0.4355,
0.5645

 52.4361, 0.3940,
0.4559


 2.4174, 0.4196,
0.5804

 71.1150, 0.3876,
0.4444

 0.8348, 0.3679,
0.6321

 93.7741, 0.3820,
0.4346


 0.0000, 0.0000,
0.0000


 120.7975, 0.3771,
0.4263

 152.5698, 0.3728,


0.4191


 189.4754, 0.3690,
0.4129


 16.4356, 0.4179,
0.5064

 16.4356, 0.4179,
0.5064


 16.4364, 0.4179,
0.5064

 16.4691, 0.4145,
0.5004

 16.5137, 0.4097,
0.4921

 16.5791, 0.4025,
0.4798

 16.6678, 0.3931,
0.4638

 16.7817, 0.3818,
0.4447

■ 16.9228, 0.3689,
0.4231

■ 17.0927, 0.3552,
0.4000

■ 17.2930, 0.3409,
0.3761

■ 17.5251, 0.3267,
0.3523

Harmonies

Analogous

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



16.4356, 0.4926, 0.4389



16.4356, 0.4179, 0.5064



16.4356, 0.3228, 0.5278

Triad

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



16.4356, 0.4179, 0.5064



16.4356, 0.1408, 0.2367



16.4356, 0.3795, 0.2365

Complementary

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



16.4356, 0.4179, 0.5064



1.2910, 0.1505, 0.0603

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.



16.4356, 0.2713, 0.1943



16.4356, 0.4179, 0.5064



16.4356, 0.1503, 0.1885

Square

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



16.4356, 0.4179, 0.5064



16.4356, 0.1657, 0.3325



16.4356, 0.1926, 0.1771



16.4356, 0.4795, 0.2966

Rectangle

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



16.4356, 0.4179, 0.5064



16.4356, 0.2590, 0.4905



16.4356, 0.1926, 0.1771



16.4356, 0.3417, 0.2200

Sweetspot

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



16.4364, 0.4179, 0.5064



30.5799, 0.3563, 0.4018



3.7822, 0.6401, 0.3300



7.0067, 0.3609, 0.4095



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.



16.4364, 0.4179, 0.5064



29.4270, 0.4179, 0.5064



13.6384, 0.3393, 0.5688



4.2647, 0.3253, 0.3500



18.1074, 0.4179, 0.5064



88.2188, 0.4178, 0.5065

Inverse Universe

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



1.2910, 0.1505, 0.0603



2.3084, 0.1503, 0.0602



2.1991, 0.2062, 0.0910



3.5912, 0.2996, 0.3071



1.4219, 0.1504, 0.0602



6.9098, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 16.4356, 0.4179, 0.5064 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 16.4356, 0.4179, 0.5064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

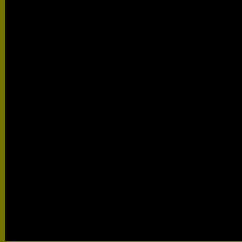
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4356, 0.4179, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 16.4356, 0.4179, 0.5064.



This preview shows how white text looks on a background with the Yxy color 16.4356, 0.4179, 0.5064.

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

16.4356, 0.4179, 0.5064

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.3098, 0.4630, 0.4571



Tritanopia

16.5067, 0.3229, 0.3137

Trichromacy



Original Color

16.4356, 0.4179, 0.5064

Protanomaly

16.2456, 0.4322, 0.4950

Deuteranomaly

16.3796, 0.4474, 0.4753

Tritanomaly

16.1477, 0.3741, 0.4050

Monochromacy



Original Color

16.4356, 0.4179, 0.5064

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3066, 0.3675, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4356, 0.4179, 0.5064 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(116, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 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(116, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.4356, 0.4179, 0.5064 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(116, 117, 0) }
```

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

```
.border{ border-color:rgb(116, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4356, 0.4179, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 0) }
```

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

```
.background{ background-color: rgb(116,  
117, 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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