

Converting Colors

$Y_{xy}(16.5053, 0.4028, 0.5095)$

Have a look what the booklet for
Yxy(16.5053, 0.4028, 0.5095)
contains.

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Color

Yxy(16.5352, 0.4032, 0.5091)

Conversions

Conversions Part 1

Format	Color
Hex	6E770C
RGB	110, 119, 12
RGB Percent	43%, 47%, 5%
CMY	0.5685, 0.5333, 0.9530
CMYK	0.08, 0.00, 0.90, 0.53
HSL	65°, 82%, 26%
HSV	65°, 90%, 47%
XYZ	13.0956, 16.5352, 2.8484
YIQ	104.1110, 28.9830, -35.1850

Conversions

Conversions Part 2

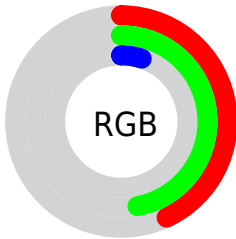
Format	Color
R_{YB}	12, 119, 21
Decimal	7239436
CIE Lab	47.67, -16.19, 50.40
CIE LCh	48, 52.939, 107.807
Yxy	16.5352, 0.4032, 0.5091
Android (android.graphics.Color)	4285429516 (0xFF6E770C)
YUV	104.1110, -45.4107, 5.1647
Hunter-Lab	40.6635, -13.6753, 24.3112

Details

The Yxy color **16.5352, 0.4032, 0.5091** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7533, 0.1631, 0.0759**, and the grayscale version is **13.9938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5548, 0.3897, 0.4698**, and **5.4363, 0.3928, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **16.4460, 0.4052, 0.5164**, and if you desaturate by 10%, it is **16.6393, 0.3996, 0.4993**.

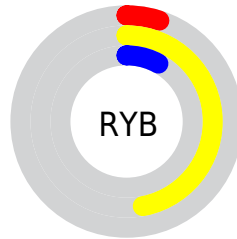
Distribution



Red (43%)

Green (47%)

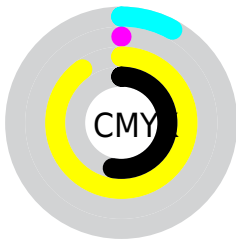
Blue (5%)



Red (5%)

Yellow (47%)

Blue (8%)

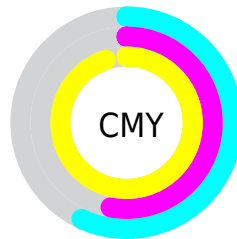


Cyan (8%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (57%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5352, 0.4032, 0.5091 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 16.5352, 0.4032, 0.5091 by changing the saturation by 10% instead.


 16.5352, 0.4032,
0.5091


 16.5352, 0.4032,
0.5091


 232.4794, 0.3586,
0.4064


 9.9037, 0.4094,
0.5355


 37.5249, 0.3892,
0.4699


 5.3351, 0.4205,
0.5795

 52.6518, 0.3830,
0.4556

 2.4452, 0.4000,
0.6000

 71.3793, 0.3775,
0.4437

 0.8490, 0.3266,
0.6734


 94.0918, 0.3727,
0.4337


 0.0000, 0.0000,
0.0000


 121.1737, 0.3685,
0.4253


 153.0093, 0.3648,


0.4181


 189.9831, 0.3615,
0.4118


 16.5352, 0.4032,
0.5091


 16.5352, 0.4032,
0.5091


 16.4460, 0.4052,
0.5164


 16.6393, 0.3996,
0.4993

 16.4454, 0.4053,
0.5164

 16.7650, 0.3937,
0.4855

 16.9156, 0.3856,
0.4680

 17.0932, 0.3755,
0.4475

 17.2998, 0.3640,
0.4248

■ 17.5371, 0.3515,
0.4009

■ 17.8068, 0.3385,
0.3764

■ 18.1103, 0.3254,
0.3522

■ 18.4490, 0.3126,
0.3288

Harmonies

Analogous

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



16.5352, 0.4800, 0.4480



16.5352, 0.4032, 0.5091



16.5352, 0.3093, 0.5168

Triad

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



16.5352, 0.4032, 0.5091



16.5352, 0.1441, 0.2299



16.5352, 0.3938, 0.2468

Complementary

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



16.5352, 0.4032, 0.5091



1.7533, 0.1631, 0.0759

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.



16.5352, 0.2869, 0.2022



16.5352, 0.4032, 0.5091



16.5352, 0.1581, 0.1884

Square

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



16.5352, 0.4032, 0.5091



16.5352, 0.1635, 0.3162



16.5352, 0.2048, 0.1814



16.5352, 0.4849, 0.3076

Rectangle

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



16.5352, 0.4032, 0.5091



16.5352, 0.2482, 0.4712



16.5352, 0.2048, 0.1814



16.5352, 0.3573, 0.2296

Sweetspot

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



16.5360, 0.4032, 0.5091



31.5090, 0.3486, 0.3954



4.4809, 0.6009, 0.3391



7.4380, 0.3520, 0.4020



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.



16.5360, 0.4032, 0.5091



29.4218, 0.4049, 0.5167



14.0768, 0.3327, 0.5624



4.2514, 0.3242, 0.3501



17.4712, 0.4052, 0.5165



84.9578, 0.4044, 0.5171

Inverse Universe

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



1.7533, 0.1631, 0.0759



2.4710, 0.1532, 0.0618



3.0664, 0.2331, 0.1132



3.6032, 0.3006, 0.3072



1.4813, 0.1542, 0.0623



7.0548, 0.1521, 0.0611

Previews

White Background



This preview shows how the Yxy color 16.5352, 0.4032, 0.5091 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 16.5352, 0.4032, 0.5091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

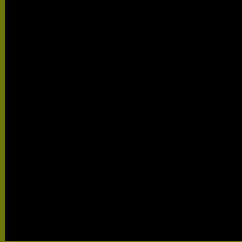
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.5352, 0.4032, 0.5091

Background



This preview shows how black text looks on a background with the Yxy color 16.5352, 0.4032, 0.5091.



This preview shows how white text looks on a background with the Yxy color 16.5352, 0.4032, 0.5091.

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

16.5352, 0.4032, 0.5091

Protanopia

16.4214, 0.4377, 0.4836

Deuteranopia

16.4130, 0.4623, 0.4535



Tritanopia

16.6227, 0.3134, 0.3135

Trichromacy



Original Color

16.5352, 0.4032, 0.5091

Protanomaly

16.3506, 0.4245, 0.4931

Deuteranomaly

16.2378, 0.4418, 0.4734

Tritanomaly

16.3268, 0.3581, 0.3986

Monochromacy



Original Color

16.5352, 0.4032, 0.5091

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4564, 0.3576, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5352, 0.4032, 0.5091 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(110, 119, 12)` looks like.

```
.text, #text, p{  
    color:rgb(110, 119, 12)  
}
```

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(110, 119, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 119, 12) }
```

Border

The CSS property to change the border of an element to Yxy 16.5352, 0.4032, 0.5091 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(110, 119, 12) }
```

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

```
.border{ border-color:rgb(110, 119, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 119, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 119, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 119, 12);  
box-shadow:4px 4px 4px 4px rgb(110, 119,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5352, 0.4032, 0.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 119, 12) }
```

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

```
.background{ background-color: rgb(110,  
119, 12) }
```

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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