

Converting Colors

Yxy(46.5317, 0.4051, 0.5149)

Have a look what the booklet for
Yxy(46.5317, 0.4051, 0.5149)
contains.

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Color

Yxy(46.5049, 0.4050, 0.5150)

Conversions

Conversions Part 1

Format	Color
Hex	B0BF06
RGB	176, 191, 6
RGB Percent	69%, 75%, 2%
CMY	0.3097, 0.2510, 0.9760
CMYK	0.08, 0.00, 0.97, 0.25
HSL	65°, 94%, 39%
HSV	65°, 97%, 75%
XYZ	36.5718, 46.5049, 7.2241
YIQ	165.4250, 50.4450, -60.7150

Conversions

Conversions Part 2

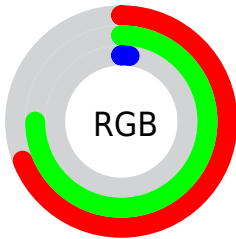
Format	Color
RYB	6, 191, 21
Decimal	11583238
CIELab	73.87, -23.71, 73.99
CIELCh	74, 77.692, 107.769
Yxy	46.5049, 0.4050, 0.5150
Android (android.graphics.Color)	4289773318 (0xFFB0BF06)
YUV	165.4250, -78.5965, 9.2743
Hunter-Lab	68.1945, -23.6132, 41.4554

Details

The Yxy color **46.5049, 0.4050, 0.5150** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.0551, 0.1543, 0.0640**, and the grayscale version is **38.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8082, 0.3952, 0.4852**, and **22.0989, 0.3958, 0.5239** is the 20% darker color. If you saturate the color by 10%, you get **46.4359, 0.4052, 0.5165**, and if you desaturate by 10%, it is **46.7463, 0.4037, 0.5091**.

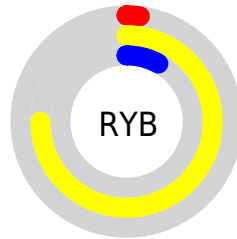
Distribution



Red (69%)

Green (75%)

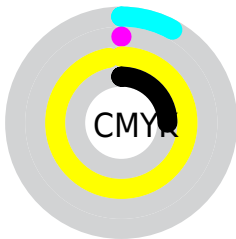
Blue (2%)



Red (2%)

Yellow (75%)

Blue (8%)

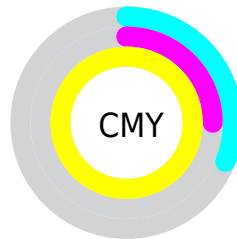


Cyan (8%)

Magenta (0%)

Yellow (97%)

Black (25%)



Cyan (31%)


Magenta (25%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5049, 0.4050, 0.5150 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 46.5049, 0.4050, 0.5150 by changing the saturation by 10% instead.


 46.5049, 0.4050,
0.5150


 46.5049, 0.4050,
0.5150


 372.8348, 0.3690,
0.4262


 32.6444, 0.4092,
0.5333


 84.9741, 0.3953,
0.4852


 21.8542, 0.4116,
0.5538


 110.3517, 0.3906,
0.4731

 13.7498, 0.4138,
0.5813


 140.3370, 0.3862,
0.4626

 7.9469, 0.4010,
0.5990

 175.3146, 0.3821,
0.4534

 4.0610, 0.3784,
0.6216

 215.6687, 0.3784,
0.4454

 1.7077, 0.3404,
0.6596

 261.7839, 0.3750,

 0.4287, 0.0000,

0.4382

1.0000

314.0445, 0.3719,
0.4318

■ 0.0000, 0.0000,
0.0000

■ 46.5049, 0.4050,
0.5150

■ 46.5049, 0.4050,
0.5150

■ 46.4359, 0.4052,
0.5165

■ 46.7463, 0.4037,
0.5091

■ 47.0430, 0.4000,
0.4991

■ 47.4079, 0.3938,
0.4847

■ 47.8492, 0.3851,
0.4663

■ 48.3736, 0.3744,
0.4448

■ 48.9873, 0.3622,
0.4210

■ 49.6958, 0.3490,
0.3959

■ 50.5042, 0.3354,
0.3705

■ 51.4172, 0.3218,
0.3455

Harmonies

Analogous

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



46.5049, 0.4848, 0.4502



46.5049, 0.4050, 0.5150



46.5049, 0.3082, 0.5252

Triad

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



46.5049, 0.4050, 0.5150



46.5049, 0.1392, 0.2261



46.5049, 0.3966, 0.2439

Complementary

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



46.5049, 0.4050, 0.5150



4.0551, 0.1543, 0.0640

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.



46.5049, 0.2856, 0.1983



46.5049, 0.4050, 0.5150



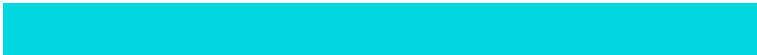
46.5049, 0.1535, 0.1839

Square

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



46.5049, 0.4050, 0.5150



46.5049, 0.1586, 0.3152



46.5049, 0.2011, 0.1771



46.5049, 0.4914, 0.3061

Rectangle

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



46.5049, 0.4050, 0.5150



46.5049, 0.2453, 0.4779



46.5049, 0.2011, 0.1771



46.5049, 0.3586, 0.2264

Sweetspot

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



46.5070, 0.4050, 0.5150



88.6508, 0.3526, 0.4026



11.5370, 0.6296, 0.3341



19.3463, 0.3583, 0.4135



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.5070, 0.4050, 0.5150



83.1165, 0.4049, 0.5167



39.2645, 0.3295, 0.5744



11.0801, 0.3252, 0.3518



30.5338, 0.4054, 0.5163



1.2078, 0.4089, 0.5135

Inverse Universe

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



4.0551, 0.1543, 0.0640



6.8862, 0.1520, 0.0611



7.2667, 0.2190, 0.0994



9.2613, 0.2996, 0.3054



2.5562, 0.1530, 0.0617



0.1128, 0.1643, 0.0679

Previews

White Background



This preview shows how the Yxy color 46.5049, 0.4050, 0.5150 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.5049, 0.4050, 0.5150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

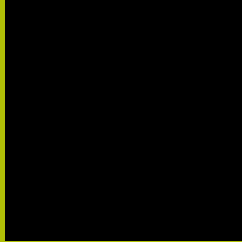
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5049, 0.4050, 0.5150

Background



This preview shows how black text looks on a background with the Yxy color 46.5049, 0.4050, 0.5150.



This preview shows how white text looks on a background with the Yxy color 46.5049, 0.4050, 0.5150.

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

46.5049, 0.4050, 0.5150

Protanopia

46.4350, 0.4407, 0.4883

Deuteranopia

46.2673, 0.4667, 0.4563



Tritanopia

46.5495, 0.3126, 0.3126

Trichromacy



Original Color

46.5049, 0.4050, 0.5150

Protanomaly

46.1716, 0.4274, 0.4983

Deuteranomaly

46.0037, 0.4450, 0.4778

Tritanomaly

45.6365, 0.3625, 0.4076

Monochromacy



Original Color

46.5049, 0.4050, 0.5150

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7687, 0.3645, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5049, 0.4050, 0.5150 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(176, 191, 6)` looks like.

```
.text, #text, p{  
    color:rgb(176, 191, 6)  
}
```

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(176, 191, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 191, 6) }
```

Border

The CSS property to change the border of an element to Yxy 46.5049, 0.4050, 0.5150 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(176, 191, 6) }
```

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

```
.border{ border-color:rgb(176, 191, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 191, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 191, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 191, 6);  
box-shadow:4px 4px 4px 4px rgb(176, 191,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5049, 0.4050, 0.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 191, 6) }
```

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

```
.background{ background-color: rgb(176,  
191, 6) }
```

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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