

Converting Colors

$Y_{xy}(46.0825, 0.4122, 0.5109)$

Have a look what the booklet for
Yxy(46.0825, 0.4122, 0.5109)
contains.

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Color

Yxy(46.2189, 0.4120, 0.5111)

Conversions

Conversions Part 1

Format	Color
Hex	B5BD00
RGB	181, 189, 0
RGB Percent	71%, 74%, 0%
CMY	0.2901, 0.2588, 1.0000
CMYK	0.04, 0.00, 1.00, 0.26
HSL	63°, 100%, 37%
HSV	63°, 100%, 74%
XYZ	37.2573, 46.2189, 6.9541
YIQ	165.0620, 55.9010, -60.4750

Conversions

Conversions Part 2

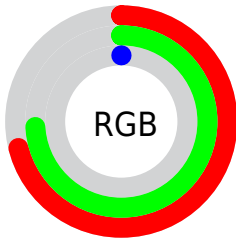
Format	Color
R _Y B	0, 189, 8
Decimal	11910400
CIE Lab	73.69, -20.66, 74.69
CIE LCh	74, 77.492, 105.460
Yxy	46.2189, 0.4120, 0.5111
Android (android.graphics.Color)	4290100480 (0xFFB5BD00)
YUV	165.0620, -81.3756, 13.9776
Hunter-Lab	67.9845, -21.1502, 41.5244

Details

The Yxy color **46.2189, 0.4120, 0.5111** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7255, 0.1513, 0.0607**, and the grayscale version is **38.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5997, 0.4014, 0.4823**, and **21.8193, 0.4031, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **46.2213, 0.4120, 0.5111**, and if you desaturate by 10%, it is **46.3646, 0.4105, 0.5067**.

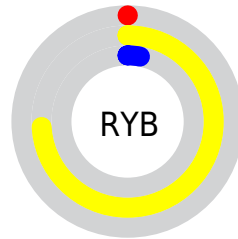
Distribution



Red (71%)

Green (74%)

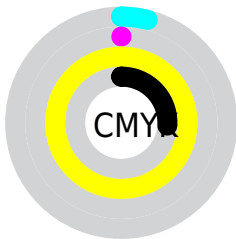
Blue (0%)



Red (0%)

Yellow (74%)

Blue (3%)

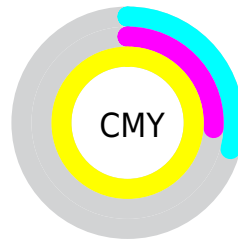


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (29%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2189, 0.4120, 0.5111 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 46.2189, 0.4120, 0.5111 by changing the saturation by 10% instead.

 46.2189, 0.4120,
0.5111

 46.2189, 0.4120,
0.5111


371.6880, 0.3726,
0.4251

 32.4186, 0.4169,
0.5284


 84.5465, 0.4011,
0.4825


 21.6814, 0.4202,
0.5475


 109.8426, 0.3959,
0.4709

 13.6230, 0.4243,
0.5738


 139.7394, 0.3911,
0.4607

 7.8589, 0.4122,
0.5878

 174.6213, 0.3867,
0.4518

 4.0048, 0.3925,
0.6075

 214.8727, 0.3827,
0.4439

 1.6763, 0.3592,
0.6408

 260.8781, 0.3790,

 0.4082, 0.0000,

0.4369

1.0000

313.0217, 0.3756,
0.4307

■ 0.0000, 0.0000,
0.0000

■ 46.2189, 0.4120,
0.5111

■ 46.2189, 0.4120,
0.5111

■ 46.2213, 0.4120,
0.5111

■ 46.3646, 0.4105,
0.5067

■ 46.5539, 0.4069,
0.4988

■ 46.8055, 0.4008,
0.4866

■ 47.1277, 0.3922,
0.4702

■ 47.5275, 0.3814,
0.4503

■ 48.0111, 0.3689,
0.4278

■ 48.5840, 0.3552,
0.4034

■ 49.2513, 0.3410,
0.3784

■ 50.0177, 0.3267,
0.3533

Harmonies

Analogous

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



46.2189, 0.4895, 0.4445



46.2189, 0.4120, 0.5111



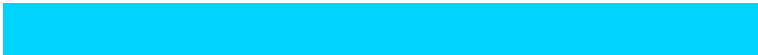
46.2189, 0.3158, 0.5276

Triad

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



46.2189, 0.4120, 0.5111



46.2189, 0.1395, 0.2312



46.2189, 0.3879, 0.2397

Complementary

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



46.2189, 0.4120, 0.5111



3.7255, 0.1513, 0.0607

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.



46.2189, 0.2778, 0.1958



46.2189, 0.4120, 0.5111



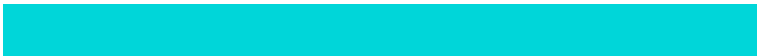
46.2189, 0.1513, 0.1859

Square

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



46.2189, 0.4120, 0.5111



46.2189, 0.1618, 0.3241



46.2189, 0.1962, 0.1766



46.2189, 0.4859, 0.3009

Rectangle

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



46.2189, 0.4120, 0.5111



46.2189, 0.2522, 0.4854



46.2189, 0.1962, 0.1766



46.2189, 0.3498, 0.2227

Sweetspot

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



46.2213, 0.4120, 0.5111



86.9622, 0.3559, 0.4046



10.9554, 0.6377, 0.3318



18.6042, 0.3618, 0.4150



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.2213, 0.4120, 0.5111



82.7559, 0.4119, 0.5112



38.4792, 0.3321, 0.5745



11.0995, 0.3258, 0.3517



31.1082, 0.4121, 0.5110



1.2249, 0.4139, 0.5095

Inverse Universe

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



3.7255, 0.1513, 0.0607



6.6470, 0.1509, 0.0605



6.4292, 0.2088, 0.0924



9.2441, 0.2990, 0.3053



2.5151, 0.1516, 0.0609



0.1052, 0.1576, 0.0642

Previews

White Background



This preview shows how the Yxy color 46.2189, 0.4120, 0.5111 looks on a white background.

Color Contrast Check

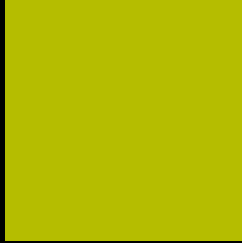
Large Text (above 18pt) WCAG AA × Fail

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 46.2189, 0.4120, 0.5111 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 46.2189, 0.4120, 0.5111

Background



This preview shows how black text looks on a background with the Yxy color 46.2189, 0.4120, 0.5111.



This preview shows how white text looks on a background with the Yxy color 46.2189, 0.4120, 0.5111.

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

46.2189, 0.4120, 0.5111

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

46.0928, 0.4664, 0.4576



Tritanopia

46.1941, 0.3179, 0.3127

Trichromacy



Original Color

46.2189, 0.4120, 0.5111

Protanomaly

46.0167, 0.4305, 0.4964

Deuteranomaly

45.7367, 0.4477, 0.4773

Tritanomaly

45.2226, 0.3703, 0.4094

Monochromacy



Original Color

46.2189, 0.4120, 0.5111

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.9500, 0.3680, 0.4264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2189, 0.4120, 0.5111 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(181, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 189, 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(181, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.2189, 0.4120, 0.5111 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(181, 189, 0) }
```

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

```
.border{ border-color:rgb(181, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2189, 0.4120, 0.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 189, 0) }
```

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

```
.background{ background-color: rgb(181,  
189, 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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