

Converting Colors

$Y_{xy}(46.2454, 0.4135, 0.5098)$

Have a look what the booklet for
Yxy(46.2454, 0.4135, 0.5098)
contains.

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Color

Yxy(46.3403, 0.4129, 0.5104)

Conversions

Conversions Part 1

Format	Color
Hex	B6BD00
RGB	182, 189, 0
RGB Percent	71%, 74%, 0%
CMY	0.2863, 0.2588, 1.0000
CMYK	0.04, 0.00, 1.00, 0.26
HSL	62°, 100%, 37%
HSV	62°, 100%, 74%
XYZ	37.4881, 46.3403, 6.9638
YIQ	165.3610, 56.4970, -60.2630

Conversions

Conversions Part 2

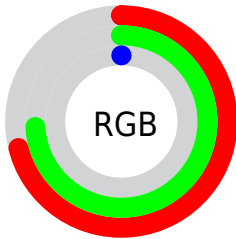
Format	Color
R_YB	0, 189, 7
Decimal	11975936
CIE _{Lab}	73.77, -20.24, 74.79
CIE _{LCh}	74, 77.477, 105.144
Yxy	46.3403, 0.4129, 0.5104
Android (android.graphics.Color)	4290166016 (0xFFB6BD00)
YUV	165.3610, -81.5230, 14.5924
Hunter-Lab	68.0737, -20.8294, 41.5864

Details

The Yxy color **46.3403, 0.4129, 0.5104** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7196, 0.1511, 0.0606**, and the grayscale version is **38.1902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7761, 0.4021, 0.4818**, and **21.8934, 0.4043, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **46.3428, 0.4129, 0.5104**, and if you desaturate by 10%, it is **46.4750, 0.4113, 0.5060**.

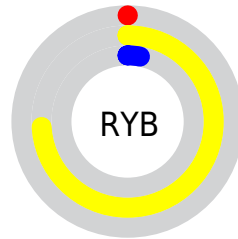
Distribution



Red (71%)

Green (74%)

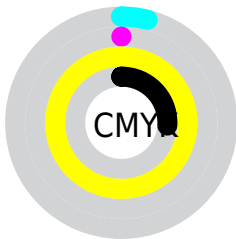
Blue (0%)



Red (0%)

Yellow (74%)

Blue (3%)

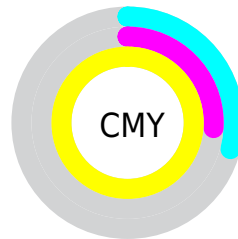


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3403, 0.4129, 0.5104 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 46.3403, 0.4129, 0.5104 by changing the saturation by 10% instead.

46.3403, 0.4129,
0.5104

46.3403, 0.4129,
0.5104

372.1751, 0.3730,
0.4249

32.5144, 0.4179,
0.5275

84.7281, 0.4018,
0.4820

21.7547, 0.4214,
0.5464

110.0587, 0.3966,
0.4705

13.6768, 0.4256,
0.5724

139.9932, 0.3918,
0.4604

7.8962, 0.4138,
0.5862

174.9157, 0.3873,
0.4515

4.0286, 0.3947,
0.6053

215.2108, 0.3832,
0.4436

1.6896, 0.3622,
0.6378

261.2628, 0.3795,

0.4169, 0.0000,

0.4367

1.0000

313.4561, 0.3761,
0.4305

■ 0.0000, 0.0000,
0.0000

■ 46.3403, 0.4129,
0.5104

■ 46.3403, 0.4129,
0.5104

■ 46.3428, 0.4129,
0.5104

■ 46.4750, 0.4113,
0.5060

■ 46.6530, 0.4077,
0.4983

■ 46.8931, 0.4014,
0.4862

■ 47.2038, 0.3927,
0.4699

■ 47.5920, 0.3818,
0.4501

■ 48.0638, 0.3692,
0.4276

■ 48.6249, 0.3555,
0.4034

■ 49.2802, 0.3412,
0.3783

■ 50.0344, 0.3268,
0.3533

Harmonies

Analogous

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



46.3403, 0.4900, 0.4436



46.3403, 0.4129, 0.5104



46.3403, 0.3168, 0.5276

Triad

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



46.3403, 0.4129, 0.5104



46.3403, 0.1397, 0.2320



46.3403, 0.3866, 0.2392

Complementary

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



46.3403, 0.4129, 0.5104



3.7196, 0.1511, 0.0606

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.



46.3403, 0.2768, 0.1956



46.3403, 0.4129, 0.5104



46.3403, 0.1511, 0.1863

Square

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



46.3403, 0.4129, 0.5104



46.3403, 0.1624, 0.3254



46.3403, 0.1957, 0.1767



46.3403, 0.4850, 0.3003

Rectangle

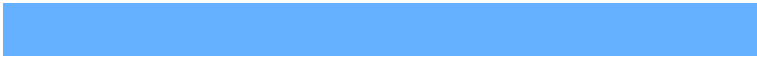
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.3403, 0.4129, 0.5104



46.3403, 0.2532, 0.4862



46.3403, 0.1957, 0.1767



46.3403, 0.3486, 0.2223

Sweetspot

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



46.3428, 0.4129, 0.5104



87.0288, 0.3562, 0.4046



10.9564, 0.6377, 0.3318



18.6205, 0.3621, 0.4149



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.



46.3428, 0.4129, 0.5104



82.9694, 0.4128, 0.5105



38.4825, 0.3321, 0.5745



11.1020, 0.3259, 0.3517



31.1862, 0.4130, 0.5103



1.2273, 0.4146, 0.5090

Inverse Universe

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



3.7196, 0.1511, 0.0606



6.6389, 0.1508, 0.0604



6.4298, 0.2088, 0.0924



9.2418, 0.2989, 0.3053



2.5099, 0.1514, 0.0608



0.1042, 0.1567, 0.0637

Previews

White Background



This preview shows how the Yxy color 46.3403, 0.4129, 0.5104 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 46.3403, 0.4129, 0.5104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

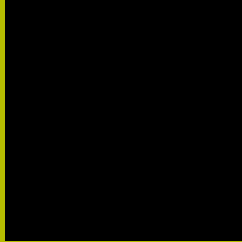
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3403, 0.4129, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 46.3403, 0.4129, 0.5104.



This preview shows how white text looks on a background with the Yxy color 46.3403, 0.4129, 0.5104.

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

46.3403, 0.4129, 0.5104

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

46.2568, 0.4673, 0.4570



Tritanopia

46.3269, 0.3187, 0.3127

Trichromacy



Original Color

46.3403, 0.4129, 0.5104

Protanomaly

46.4337, 0.4295, 0.4972

Deuteranomaly

45.8849, 0.4486, 0.4766

Tritanomaly

45.3510, 0.3712, 0.4091

Monochromacy



Original Color

46.3403, 0.4129, 0.5104

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 46.3403, 0.4129, 0.5104 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(182, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.3403, 0.4129, 0.5104 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(182, 189, 0) }
```

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

```
.border{ border-color:rgb(182, 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(182, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3403, 0.4129, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 189, 0) }
```

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

```
.background{ background-color: rgb(182,  
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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