

Converting Colors

$Y_{xy}(45.0345, 0.4106, 0.5122)$

Have a look what the booklet for
Yxy(45.0345, 0.4106, 0.5122)
contains.

Yxy(45.0056, 0.4110, 0.5119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0056, 0.4110, 0.5119)

Conversions

Conversions Part 1

Format	Color
Hex	B2BB00
RGB	178, 187, 0
RGB Percent	70%, 73%, 0%
CMY	0.3019, 0.2667, 1.0000
CMYK	0.05, 0.00, 1.00, 0.27
HSL	63°, 100%, 37%
HSV	63°, 100%, 73%
XYZ	36.1346, 45.0056, 6.7785
YIQ	162.9910, 54.6630, -60.0650

Conversions

Conversions Part 2

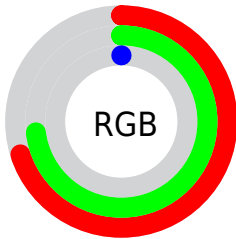
Format	Color
RYB	0, 187, 9
Decimal	11713280
CIELab	72.90, -20.96, 74.00
CIELCh	73, 76.912, 105.812
Yxy	45.0056, 0.4110, 0.5119
Android (android.graphics.Color)	4289903360 (0xFFB2BB00)
YUV	162.9910, -80.3546, 13.1629
Hunter-Lab	67.0862, -21.2555, 40.9696

Details

The Yxy color **45.0056, 0.4110, 0.5119** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.6456, 0.1515, 0.0608**, and the grayscale version is **36.9923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6849, 0.4000, 0.4834**, and **21.1151, 0.4028, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **45.0079, 0.4110, 0.5119**, and if you desaturate by 10%, it is **45.1604, 0.4096, 0.5073**.

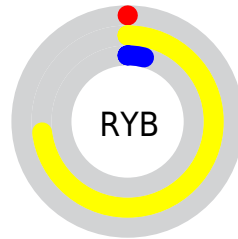
Distribution



Red (70%)

Green (73%)

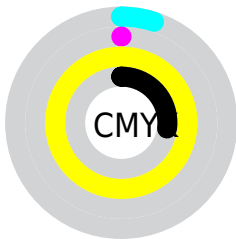
Blue (0%)



Red (0%)

Yellow (73%)

Blue (4%)

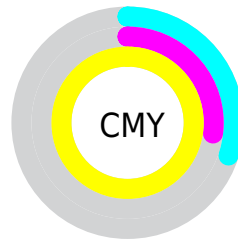


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (30%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0056, 0.4110, 0.5119 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 45.0056, 0.4110, 0.5119 by changing the saturation by 10% instead.


 45.0056, 0.4110,
0.5119

 45.0056, 0.4110,
0.5119


366.7962, 0.3719,
0.4250


 31.4618, 0.4158,
0.5295


 82.7288, 0.4002,
0.4829


 20.9508, 0.4190,
0.5490


 107.6771, 0.3951,
0.4711


 13.0880, 0.4233,
0.5767

 137.1956, 0.3903,
0.4608

 7.4892, 0.4097,
0.5903

 171.6688, 0.3859,
0.4518

 3.7699, 0.3890,
0.6110

 211.4811, 0.3819,
0.4439

 1.5457, 0.3535,
0.6465

 257.0168, 0.3782,

 0.3206, 0.0000,

0.4368

1.0000

308.6604, 0.3749,
0.4306

■ 0.0000, 0.0000,
0.0000

■ 45.0056, 0.4110,
0.5119

■ 45.0056, 0.4110,
0.5119

■ 45.0079, 0.4110,
0.5119

■ 45.1604, 0.4096,
0.5073

■ 45.3577, 0.4061,
0.4993

■ 45.6160, 0.4001,
0.4870

■ 45.9433, 0.3915,
0.4705

■ 46.3465, 0.3808,
0.4505

■ 46.8316, 0.3684,
0.4278

■ 47.4039, 0.3549,
0.4035

■ 48.0685, 0.3408,
0.3783

■ 48.8297, 0.3266,
0.3533

Harmonies

Analogous

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



45.0056, 0.4889, 0.4454



45.0056, 0.4110, 0.5119



45.0056, 0.3146, 0.5275

Triad

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



45.0056, 0.4110, 0.5119



45.0056, 0.1393, 0.2303



45.0056, 0.3893, 0.2402

Complementary

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



45.0056, 0.4110, 0.5119



3.6456, 0.1515, 0.0608

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.



45.0056, 0.2790, 0.1961



45.0056, 0.4110, 0.5119



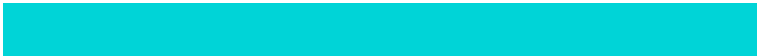
45.0056, 0.1515, 0.1854

Square

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



45.0056, 0.4110, 0.5119



45.0056, 0.1611, 0.3227



45.0056, 0.1968, 0.1765



45.0056, 0.4870, 0.3017

Rectangle

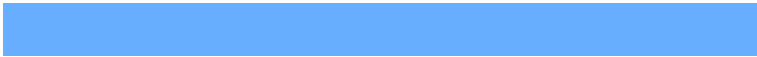
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0056, 0.4110, 0.5119



45.0056, 0.2510, 0.4845



45.0056, 0.1968, 0.1765



45.0056, 0.3512, 0.2231

Sweetspot

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



45.0079, 0.4110, 0.5119



84.8490, 0.3556, 0.4047



10.6998, 0.6377, 0.3319



18.5860, 0.3614, 0.4151



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.



45.0079, 0.4110, 0.5119



80.5805, 0.4108, 0.5120



37.5788, 0.3321, 0.5745



11.0966, 0.3257, 0.3517



31.0209, 0.4111, 0.5118



1.2223, 0.4132, 0.5101

Inverse Universe

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



3.6456, 0.1515, 0.0608



6.5013, 0.1511, 0.0606



6.2818, 0.2089, 0.0924



9.2466, 0.2991, 0.3053



2.5210, 0.1518, 0.0610



0.1063, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 45.0056, 0.4110, 0.5119 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 45.0056, 0.4110, 0.5119 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 45.0056, 0.4110, 0.5119

Background



This preview shows how black text looks on a background with the Yxy color 45.0056, 0.4110, 0.5119.

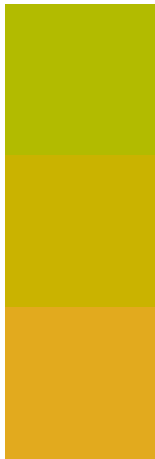


This preview shows how white text looks on a background with the Yxy color 45.0056, 0.4110, 0.5119.

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

45.0056, 0.4110, 0.5119

Protanopia

44.7968, 0.4410, 0.4880

Deuteranopia

45.0119, 0.4668, 0.4571



Tritanopia

44.9363, 0.3170, 0.3125

Trichromacy



Original Color

45.0056, 0.4110, 0.5119

Protanomaly

44.7934, 0.4297, 0.4970

Deuteranomaly

44.6530, 0.4480, 0.4770

Tritanomaly

44.0112, 0.3691, 0.4092

Monochromacy



Original Color

45.0056, 0.4110, 0.5119

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.8294, 0.3668, 0.4264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0056, 0.4110, 0.5119 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(178, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 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(178, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.0056, 0.4110, 0.5119 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(178, 187, 0) }
```

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

```
.border{ border-color:rgb(178, 187, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 187, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0056, 0.4110, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 0) }
```

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

```
.background{ background-color: rgb(178,  
187, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor