

Converting Colors

$Y_{xy}(45.6156, 0.4165, 0.5006)$

Have a look what the booklet for
Yxy(45.6156, 0.4165, 0.5006)
contains.

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Color

Yxy(45.6148, 0.4165, 0.5005)

Conversions

Conversions Part 1

Format	Color
Hex	BABA16
RGB	186, 186, 22
RGB Percent	73%, 73%, 9%
CMY	0.2705, 0.2706, 0.9136
CMYK	0.00, 0.00, 0.88, 0.27
HSL	60°, 79%, 41%
HSV	60°, 88%, 73%
XYZ	37.9592, 45.6148, 7.5645
YIQ	167.3040, 52.6440, -51.0040

Conversions

Conversions Part 2

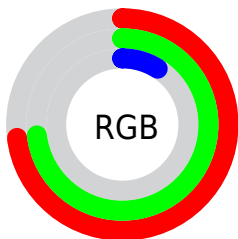
Format	Color
R _Y B	22, 186, 22
Decimal	12237334
CIE Lab	73.29, -16.68, 71.74
CIE LCh	73, 73.652, 103.090
Yxy	45.6148, 0.4165, 0.5005
Android (android.graphics.Color)	4290427414 (0xFFBABA16)
YUV	167.3040, -71.6349, 16.3964
Hunter-Lab	67.5387, -17.8694, 40.6365

Details

The Yxy color **45.6148, 0.4165, 0.5005** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.2942, 0.1566, 0.0709**, and the grayscale version is **39.1423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8017, 0.4042, 0.4736**, and **21.3643, 0.4130, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **45.5647, 0.4190, 0.5046**, and if you desaturate by 10%, it is **45.7181, 0.4117, 0.4926**.

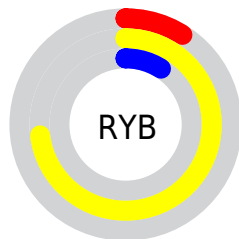
Distribution



Red (73%)

Green (73%)

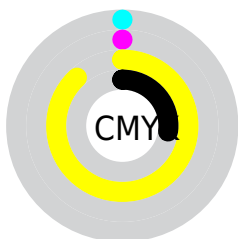
Blue (9%)



Red (9%)

Yellow (73%)

Blue (9%)

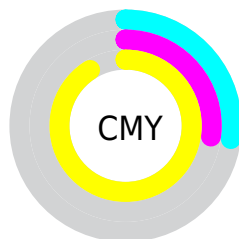


Cyan (0%)

Magenta (0%)

Yellow (88%)

Black (27%)



Cyan (27%)


Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6148, 0.4165, 0.5005 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 45.6148, 0.4165, 0.5005 by changing the saturation by 10% instead.


 45.6148, 0.4165,
0.5005


 45.6148, 0.4165,
0.5005


 369.2578, 0.3735,
0.4196


 31.9420, 0.4228,
0.5168


 83.6422, 0.4040,
0.4736


 21.3172, 0.4279,
0.5349


 108.7656, 0.3983,
0.4626


 13.3560, 0.4333,
0.5582


 138.4746, 0.3931,
0.4530

 7.6742, 0.4265,
0.5735

 173.1536, 0.3884,
0.4446

 3.8872, 0.4105,
0.5895

 213.1870, 0.3841,
0.4372

 1.6107, 0.3832,
0.6168

 258.9593, 0.3802,

 0.3648, 0.0000,

0.4307

1.0000

310.8548, 0.3767,
0.4248

■ 0.0000, 0.0000,
0.0000

■ 45.6148, 0.4165,
0.5005

■ 45.6148, 0.4165,
0.5005

■ 45.5647, 0.4190,
0.5046

■ 45.7181, 0.4117,
0.4926

■ 45.5569, 0.4194,
0.5052

■ 45.8805, 0.4044,
0.4805

■ 46.1117, 0.3946,
0.4643

■ 46.4183, 0.3827,
0.4446

■ 46.8062, 0.3692,
0.4223

■ 47.2805, 0.3546,
0.3983

■ 47.8460, 0.3396,
0.3735

■ 48.5071, 0.3246,
0.3487

■ 49.2681, 0.3101,
0.3246

Harmonies

Analogous

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



45.6148, 0.4879, 0.4363



45.6148, 0.4165, 0.5005



45.6148, 0.3245, 0.5197

Triad

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



45.6148, 0.4165, 0.5005



45.6148, 0.1459, 0.2411



45.6148, 0.3762, 0.2390

Complementary

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



45.6148, 0.4165, 0.5005



4.2942, 0.1566, 0.0709

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.



45.6148, 0.2721, 0.1981



45.6148, 0.4165, 0.5005



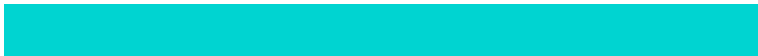
45.6148, 0.1547, 0.1933

Square

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



45.6148, 0.4165, 0.5005



45.6148, 0.1710, 0.3340



45.6148, 0.1959, 0.1815



45.6148, 0.4725, 0.2977

Rectangle

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



45.6148, 0.4165, 0.5005



45.6148, 0.2625, 0.4841



45.6148, 0.1959, 0.1815



45.6148, 0.3400, 0.2230

Sweetspot

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



45.6169, 0.4165, 0.5005



85.8322, 0.3521, 0.3940



11.0875, 0.6137, 0.3284



18.8296, 0.3572, 0.4026



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.



45.6169, 0.4165, 0.5005



82.5445, 0.4194, 0.5052



38.3001, 0.3444, 0.5555



10.5031, 0.3264, 0.3516



30.6384, 0.4194, 0.5052



1.0802, 0.4193, 0.5052

Inverse Universe

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



4.2942, 0.1566, 0.0709



6.4269, 0.1500, 0.0600



6.9061, 0.2125, 0.1008



8.7198, 0.2984, 0.3054



2.3858, 0.1500, 0.0600



0.0842, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 45.6148, 0.4165, 0.5005 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 45.6148, 0.4165, 0.5005 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 45.6148, 0.4165, 0.5005

Background



This preview shows how black text looks on a background with the Yxy color 45.6148, 0.4165, 0.5005.

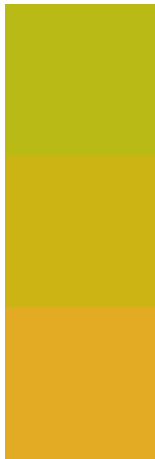


This preview shows how white text looks on a background with the Yxy color 45.6148, 0.4165, 0.5005.

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

45.6148, 0.4165, 0.5005

Protanopia

45.3895, 0.4383, 0.4843

Deuteranopia

45.5781, 0.4652, 0.4555



Tritanopia

45.4808, 0.3233, 0.3115

Trichromacy



Original Color

45.6148, 0.4165, 0.5005

Protanomaly

45.3804, 0.4306, 0.4899

Deuteranomaly

45.1415, 0.4482, 0.4715

Tritanomaly

44.8424, 0.3705, 0.3956

Monochromacy



Original Color

45.6148, 0.4165, 0.5005

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.4857, 0.3637, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6148, 0.4165, 0.5005 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(186, 186, 22)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 22)  
}
```

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(186, 186, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 22) }
```

Border

The CSS property to change the border of an element to Yxy 45.6148, 0.4165, 0.5005 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(186, 186, 22) }
```

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

```
.border{ border-color:rgb(186, 186, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 22);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6148, 0.4165, 0.5005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 22) }
```

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

```
.background{ background-color: rgb(186,  
186, 22) }
```

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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