

Converting Colors

$Y_{xy}(40.6005, 0.4217, 0.5034)$

Have a look what the booklet for
Yxy(40.6005, 0.4217, 0.5034)
contains.

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Color

Yxy(40.5156, 0.4213, 0.5037)

Conversions

Conversions Part 1

Format	Color
Hex	B2B000
RGB	178, 176, 0
RGB Percent	70%, 69%, 0%
CMY	0.3019, 0.3098, 1.0000
CMYK	0.00, 0.01, 1.00, 0.30
HSL	59°, 100%, 35%
HSV	59°, 100%, 70%
XYZ	33.8877, 40.5156, 6.0327
YIQ	156.5340, 57.6880, -54.3120

Conversions

Conversions Part 2

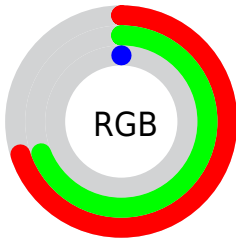
Format	Color
R _Y B	2, 178, 0
Decimal	11710464
CIE Lab	69.84, -15.43, 71.75
CIE LCh	70, 73.388, 102.141
Yxy	40.5156, 0.4213, 0.5037
Android (android.graphics.Color)	4289900544 (0xFFB2B000)
YUV	156.5340, -77.1713, 18.8257
Hunter-Lab	63.6519, -16.3590, 38.9370

Details

The Yxy color **40.5156, 0.4213, 0.5037** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.2586, 0.1502, 0.0607**, and the grayscale version is **33.8322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7064, 0.4081, 0.4762**, and **18.4803, 0.4153, 0.5085** is the 20% darker color. If you saturate the color by 10%, you get **40.5176, 0.4213, 0.5037**, and if you desaturate by 10%, it is **40.6396, 0.4187, 0.4999**.

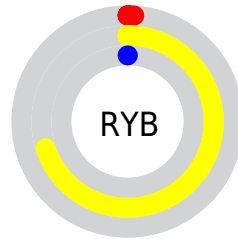
Distribution



Red (70%)

Green (69%)

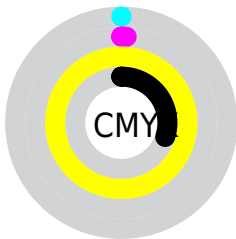
Blue (0%)



Red (1%)

Yellow (70%)

Blue (0%)

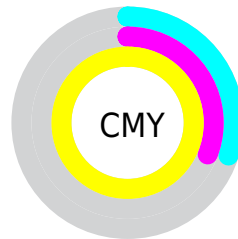


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5156, 0.4213, 0.5037 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 40.5156, 0.4213, 0.5037 by changing the saturation by 10% instead.


 40.5156, 0.4213,
0.5037

 40.5156, 0.4213,
0.5037


348.2920, 0.3758,
0.4205

 27.9408, 0.4277,
0.5203


 75.9480, 0.4081,
0.4761

 18.2810, 0.4326,
0.5382

 99.5744, 0.4021,
0.4648


 11.1519, 0.4379,
0.5621


 127.6534, 0.3965,
0.4549

 6.1691, 0.4268,
0.5732

 160.5695, 0.3915,
0.4463

 2.9482, 0.4094,
0.5906

 198.7070, 0.3870,
0.4387

 1.1047, 0.3733,
0.6267

 242.4503, 0.3829,

 0.0000, 0.0000,

0.4319

0.0000

292.1838, 0.3792,
0.4259

■ 40.5156, 0.4213,
0.5037

■ 40.5156, 0.4213,
0.5037

■ 40.5176, 0.4213,
0.5037

■ 40.6396, 0.4187,
0.4999

■ 40.8007, 0.4141,
0.4928

■ 41.0158, 0.4069,
0.4815

■ 41.2919, 0.3972,
0.4661

■ 41.6352, 0.3854,
0.4471

■ 42.0509, 0.3720,
0.4254

■ 42.5439, 0.3574,
0.4018

■ 43.1183, 0.3424,
0.3774

■ 43.7784, 0.3274,
0.3529

Harmonies

Analogous

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



40.5156, 0.4944, 0.4357



40.5156, 0.4213, 0.5037



40.5156, 0.3269, 0.5278

Triad

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



40.5156, 0.4213, 0.5037



40.5156, 0.1415, 0.2400



40.5156, 0.3747, 0.2346

Complementary

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



40.5156, 0.4213, 0.5037



3.2586, 0.1502, 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.



40.5156, 0.2675, 0.1935



40.5156, 0.4213, 0.5037



40.5156, 0.1497, 0.1901

Square

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



40.5156, 0.4213, 0.5037



40.5156, 0.1680, 0.3374



40.5156, 0.1906, 0.1773



40.5156, 0.4758, 0.2941

Rectangle

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



40.5156, 0.4213, 0.5037



40.5156, 0.2630, 0.4934



40.5156, 0.1906, 0.1773



40.5156, 0.3371, 0.2184

Sweetspot

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



40.5176, 0.4213, 0.5037



77.0873, 0.3582, 0.4031



9.4731, 0.6382, 0.3290



16.9929, 0.3643, 0.4130



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.5176, 0.4213, 0.5037



73.4386, 0.4213, 0.5037



34.1203, 0.3391, 0.5690



9.8898, 0.3264, 0.3513



28.9924, 0.4213, 0.5037



0.9174, 0.4207, 0.5042

Inverse Universe

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



3.2586, 0.1502, 0.0607



5.8860, 0.1502, 0.0605



5.1953, 0.1994, 0.0872



8.2450, 0.2985, 0.3057



2.3375, 0.1503, 0.0609



0.0786, 0.1513, 0.0646

Previews

White Background



This preview shows how the Yxy color 40.5156, 0.4213, 0.5037 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 40.5156, 0.4213, 0.5037 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 40.5156, 0.4213, 0.5037

Background



This preview shows how black text looks on a background with the Yxy color 40.5156, 0.4213, 0.5037.



This preview shows how white text looks on a background with the Yxy color 40.5156, 0.4213, 0.5037.

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

40.5156, 0.4213, 0.5037

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.3623, 0.4669, 0.4582



Tritanopia

40.5043, 0.3256, 0.3133

Trichromacy



Original Color

40.5156, 0.4213, 0.5037

Protanomaly

40.5785, 0.4340, 0.4936

Deuteranomaly

40.2345, 0.4514, 0.4745

Tritanomaly

39.4894, 0.3791, 0.4053

Monochromacy



Original Color

40.5156, 0.4213, 0.5037

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.4704, 0.3709, 0.4231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5156, 0.4213, 0.5037 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, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 176, 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, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.5156, 0.4213, 0.5037 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, 176, 0) }
```

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

```
.border{ border-color:rgb(178, 176, 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, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 176,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5156, 0.4213, 0.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 176, 0) }
```

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

```
.background{ background-color: rgb(178,  
176, 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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