

Converting Colors

$Y_{xy}(42.0541, 0.4125, 0.5107)$

Have a look what the booklet for
Yxy(42.0541, 0.4125, 0.5107)
contains.

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Color

Yxy(42.0464, 0.4126, 0.5106)

Conversions

Conversions Part 1

Format	Color
Hex	AEB500
RGB	174, 181, 0
RGB Percent	68%, 71%, 0%
CMY	0.3177, 0.2902, 1.0000
CMYK	0.04, 0.00, 1.00, 0.29
HSL	62°, 100%, 35%
HSV	62°, 100%, 71%
XYZ	33.9764, 42.0464, 6.3243
YIQ	158.2730, 53.9290, -57.7750

Conversions

Conversions Part 2

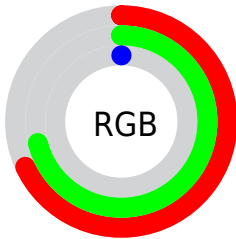
Format	Color
RYB	0, 181, 7
Decimal	11449600
CIELab	70.90, -19.73, 72.38
CIELCh	71, 75.018, 105.246
Yxy	42.0464, 0.4126, 0.5106
Android (android.graphics.Color)	4289639680 (0xFFAEB500)
YUV	158.2730, -78.0286, 13.7926
Hunter-Lab	64.8432, -19.9456, 39.6076

Details

The Yxy color **42.0464, 0.4126, 0.5106** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.3820, 0.1512, 0.0607**, and the grayscale version is **34.6658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4565, 0.4010, 0.4818**, and **19.2203, 0.4048, 0.5168** is the 20% darker color. If you saturate the color by 10%, you get **42.0484, 0.4126, 0.5106**, and if you desaturate by 10%, it is **42.1733, 0.4110, 0.5061**.

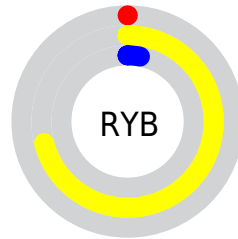
Distribution



Red (68%)

Green (71%)

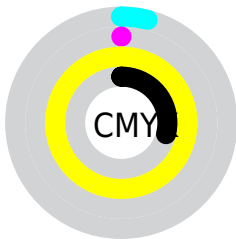
Blue (0%)



Red (0%)

Yellow (71%)

Blue (3%)

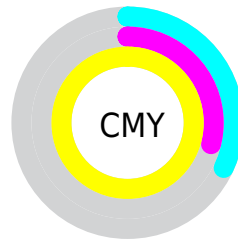


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (32%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0464, 0.4126, 0.5106 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 42.0464, 0.4126, 0.5106 by changing the saturation by 10% instead.


 42.0464, 0.4126,
0.5106


 42.0464, 0.4126,
0.5106


354.6752, 0.3720,
0.4234

 29.1376, 0.4178,
0.5284


 78.2698, 0.4012,
0.4814

 19.1850, 0.4211,
0.5480


 102.3533, 0.3959,
0.4695


 11.8040, 0.4250,
0.5750


 130.9304, 0.3909,
0.4592

 6.6104, 0.4112,
0.5888

 164.3857, 0.3864,
0.4502

 3.2196, 0.3898,
0.6102

 203.1034, 0.3823,
0.4423

 1.2475, 0.3479,
0.6521

 247.4679, 0.3785,

 0.1000, 0.0000,

0.4352

1.0000

297.8638, 0.3751,
0.4290

■ 0.0000, 0.0000,
0.0000

■ 42.0464, 0.4126,
0.5106

■ 42.0464, 0.4126,
0.5106

■ 42.0484, 0.4126,
0.5106

■ 42.1733, 0.4110,
0.5061

■ 42.3393, 0.4073,
0.4982

■ 42.5616, 0.4011,
0.4860

■ 42.8478, 0.3924,
0.4697

■ 43.2041, 0.3815,
0.4499

■ 43.6360, 0.3690,
0.4274

■ 44.1484, 0.3553,
0.4032

■ 44.7461, 0.3410,
0.3782

■ 45.4331, 0.3267,
0.3532

Harmonies

Analogous

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



42.0464, 0.4898, 0.4439



42.0464, 0.4126, 0.5106



42.0464, 0.3165, 0.5276

Triad

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



42.0464, 0.4126, 0.5106



42.0464, 0.1396, 0.2318



42.0464, 0.3870, 0.2394

Complementary

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



42.0464, 0.4126, 0.5106



3.3820, 0.1512, 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.



42.0464, 0.2772, 0.1957



42.0464, 0.4126, 0.5106



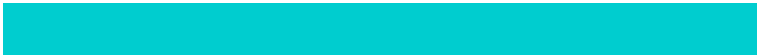
42.0464, 0.1512, 0.1861

Square

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



42.0464, 0.4126, 0.5106



42.0464, 0.1622, 0.3250



42.0464, 0.1959, 0.1767



42.0464, 0.4853, 0.3005

Rectangle

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



42.0464, 0.4126, 0.5106



42.0464, 0.2529, 0.4859



42.0464, 0.1959, 0.1767



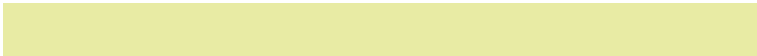
42.0464, 0.3490, 0.2224

Sweetspot

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



42.0484, 0.4126, 0.5106



79.0098, 0.3560, 0.4044



9.9559, 0.6376, 0.3319



16.9914, 0.3617, 0.4146



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.



42.0484, 0.4126, 0.5106



75.2744, 0.4125, 0.5107



34.9584, 0.3323, 0.5744



9.8895, 0.3257, 0.3515



28.9910, 0.4127, 0.5105



0.9173, 0.4146, 0.5090

Inverse Universe

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



3.3820, 0.1512, 0.0607



6.0338, 0.1509, 0.0605



5.8527, 0.2091, 0.0926



8.2454, 0.2991, 0.3055



2.3382, 0.1515, 0.0608



0.0788, 0.1578, 0.0643

Previews

White Background



This preview shows how the Yxy color 42.0464, 0.4126, 0.5106 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 42.0464, 0.4126, 0.5106 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 42.0464, 0.4126, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 42.0464, 0.4126, 0.5106.



This preview shows how white text looks on a background with the Yxy color 42.0464, 0.4126, 0.5106.

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

42.0464, 0.4126, 0.5106

Protanopia

42.0079, 0.4406, 0.4884

Deuteranopia

41.6997, 0.4674, 0.4564



Tritanopia

41.7806, 0.3181, 0.3120

Trichromacy



Original Color

42.0464, 0.4126, 0.5106

Protanomaly

42.1356, 0.4299, 0.4968

Deuteranomaly

41.4896, 0.4489, 0.4762

Tritanomaly

41.0700, 0.3711, 0.4083

Monochromacy



Original Color

42.0464, 0.4126, 0.5106

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.1045, 0.3680, 0.4246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0464, 0.4126, 0.5106 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(174, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 181, 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(174, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.0464, 0.4126, 0.5106 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(174, 181, 0) }
```

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

```
.border{ border-color:rgb(174, 181, 0) }
```

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

Here you see how a box with a 4 pixel rgb(174, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 181,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0464, 0.4126, 0.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 181, 0) }
```

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

```
.background{ background-color: rgb(174,  
181, 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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