

Converting Colors

$Y_{xy}(46.2121, 0.4125, 0.5435)$

Have a look what the booklet for
Yxy(46.2121, 0.4125, 0.5435)
contains.

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Color

Yxy(46.3572, 0.4002, 0.5205)

Conversions

Conversions Part 1

Format	Color
Hex	ABC000
RGB	171, 192, 0
RGB Percent	67%, 75%, 0%
CMY	0.3294, 0.2470, 1.0000
CMYK	0.11, 0.00, 1.00, 0.25
HSL	67°, 100%, 38%
HSV	67°, 100%, 75%
XYZ	35.6429, 46.3572, 7.0627
YIQ	163.8330, 49.1160, -64.1640

Conversions

Conversions Part 2

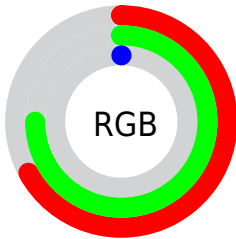
Format	Color
RYB	0, 192, 21
Decimal	11255808
CIELab	73.78, -26.41, 74.43
CIELCh	74, 78.974, 109.533
Yxy	46.3572, 0.4002, 0.5205
Android (android.graphics.Color)	4289445888 (0xFFABC000)
YUV	163.8330, -80.7697, 6.2855
Hunter-Lab	68.0861, -25.7063, 41.5100

Details

The Yxy color **46.3572, 0.4002, 0.5205** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **3.9656, 0.1537, 0.0620**, and the grayscale version is **37.4163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5519, 0.3918, 0.4894**, and **22.0426, 0.3886, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **46.3598, 0.4002, 0.5205**, and if you desaturate by 10%, it is **46.6453, 0.3999, 0.5149**.

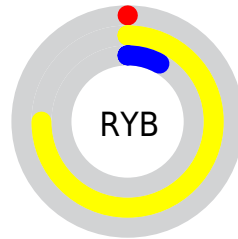
Distribution



Red (67%)

Green (75%)

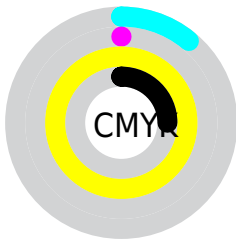
Blue (0%)



Red (0%)

Yellow (75%)

Blue (8%)

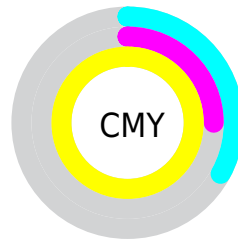


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (33%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3572, 0.4002, 0.5205 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 46.3572, 0.4002, 0.5205 by changing the saturation by 10% instead.

 46.3572, 0.4002,
0.5205


 46.3572, 0.4002,
0.5205


372.2429, 0.3670,
0.4284

 32.5278, 0.4036,
0.5396


 84.7533, 0.3916,
0.4894


 21.7649, 0.4049,
0.5612


 110.0888, 0.3872,
0.4769

 13.6843, 0.4060,
0.5908


 140.0285, 0.3831,
0.4660


 7.9014, 0.3906,
0.6094

 174.9567, 0.3793,
0.4565

 4.0319, 0.3653,
0.6347

 215.2578, 0.3758,
0.4482

 1.6914, 0.3225,
0.6775

 261.3163, 0.3726,

 0.4181, 0.0000,

0.4408

1.0000

313.5165, 0.3697,
0.4343

■ 0.0000, 0.0000,
0.0000

■ 46.3572, 0.4002,
0.5205

■ 46.3572, 0.4002,
0.5205

■ 46.3598, 0.4002,
0.5205

■ 46.6453, 0.3999,
0.5149

■ 46.9817, 0.3975,
0.5057

■ 47.3860, 0.3926,
0.4921

■ 47.8667, 0.3852,
0.4744

■ 48.4313, 0.3756,
0.4532

■ 49.0860, 0.3643,
0.4295

■ 49.8367, 0.3519,
0.4044

■ 50.6887, 0.3388,
0.3788

■ 51.6467, 0.3256,
0.3534

Harmonies

Analogous

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



46.3572, 0.4830, 0.4556



46.3572, 0.4002, 0.5205



46.3572, 0.3017, 0.5267

Triad

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



46.3572, 0.4002, 0.5205



46.3572, 0.1369, 0.2206



46.3572, 0.4047, 0.2460

Complementary

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



46.3572, 0.4002, 0.5205



3.9656, 0.1537, 0.0620

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.



46.3572, 0.2911, 0.1987



46.3572, 0.4002, 0.5205



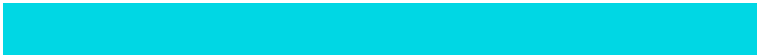
46.3572, 0.1533, 0.1806

Square

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



46.3572, 0.4002, 0.5205



46.3572, 0.1542, 0.3080



46.3572, 0.2035, 0.1756



46.3572, 0.4984, 0.3094

Rectangle

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



46.3572, 0.4002, 0.5205



46.3572, 0.2387, 0.4747



46.3572, 0.2035, 0.1756



46.3572, 0.3661, 0.2279

Sweetspot

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



46.3598, 0.4002, 0.5205



90.2251, 0.3525, 0.4056



11.6799, 0.6324, 0.3361



19.2284, 0.3578, 0.4164



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.3598, 0.4002, 0.5205



83.9267, 0.3999, 0.5207



39.2717, 0.3239, 0.5810



11.7006, 0.3248, 0.3519



31.2137, 0.4004, 0.5203



1.3650, 0.4049, 0.5167

Inverse Universe

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



3.9656, 0.1537, 0.0620



7.1336, 0.1531, 0.0617



7.4647, 0.2229, 0.1002



9.7996, 0.3000, 0.3053



2.6854, 0.1543, 0.0624



0.1341, 0.1682, 0.0700

Previews

White Background



This preview shows how the Yxy color 46.3572, 0.4002, 0.5205 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 46.3572, 0.4002, 0.5205 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 46.3572, 0.4002, 0.5205

Background



This preview shows how black text looks on a background with the Yxy color 46.3572, 0.4002, 0.5205.



This preview shows how white text looks on a background with the Yxy color 46.3572, 0.4002, 0.5205.

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

46.3572, 0.4002, 0.5205

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

46.1033, 0.4659, 0.4569



Tritanopia

46.0053, 0.3068, 0.3098

Trichromacy



Original Color

46.3572, 0.4002, 0.5205

Protanomaly

45.9044, 0.4258, 0.5001

Deuteranomaly

45.5561, 0.4429, 0.4807

Tritanomaly

45.0003, 0.3586, 0.4103

Monochromacy



Original Color

46.3572, 0.4002, 0.5205

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.4871, 0.3649, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3572, 0.4002, 0.5205 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(171, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 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(171, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.3572, 0.4002, 0.5205 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(171, 192, 0) }
```

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

```
.border{ border-color:rgb(171, 192, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 192, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 192,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3572, 0.4002, 0.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 0) }
```

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

```
.background{ background-color: rgb(171,  
192, 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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