

Converting Colors

$Y_{xy}(43.3765, 0.4204, 0.5515)$

Have a look what the booklet for
Yxy(43.3765, 0.4204, 0.5515)
contains.

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Color

Yxy(43.8655, 0.4016, 0.5193)

Conversions

Conversions Part 1

Format	Color
Hex	A8BB00
RGB	168, 187, 0
RGB Percent	66%, 73%, 0%
CMY	0.3411, 0.2667, 0.9996
CMYK	0.10, 0.00, 1.00, 0.27
HSL	66°, 100%, 37%
HSV	66°, 100%, 73%
XYZ	33.9233, 43.8655, 6.6816
YIQ	160.0010, 48.7030, -62.1850

Conversions

Conversions Part 2

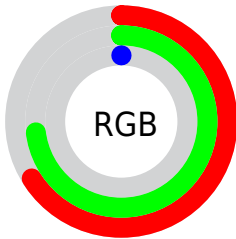
Format	Color
RYB	0, 187, 19
Decimal	11057920
CIELab	72.14, -25.24, 73.08
CIELCh	72, 77.312, 109.053
Yxy	43.8655, 0.4016, 0.5193
Android (android.graphics.Color)	4289248000 (0xFFA8BB00)
YUV	160.0010, -78.8805, 7.0151
Hunter-Lab	66.2310, -24.4772, 40.3803

Details

The Yxy color **43.8655, 0.4016, 0.5193** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7295, 0.1535, 0.0619**, and the grayscale version is **35.5173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0113, 0.3927, 0.4881**, and **20.4297, 0.3901, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **43.8660, 0.4016, 0.5193**, and if you desaturate by 10%, it is **44.1236, 0.4011, 0.5138**.

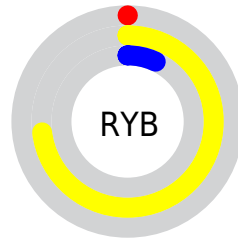
Distribution



Red (66%)

Green (73%)

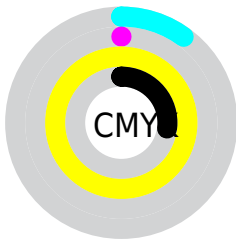
Blue (0%)



Red (0%)

Yellow (73%)

Blue (7%)

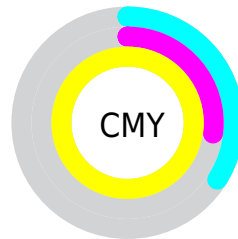


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (34%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8655, 0.4016, 0.5193 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 43.8655, 0.4016, 0.5193 by changing the saturation by 10% instead.

43.8655, 0.4016,
0.5193

43.8655, 0.4016,
0.5193

362.1591, 0.3672,
0.4270

30.5648, 0.4052,
0.5386

81.0153, 0.3925,
0.4880

20.2677, 0.4067,
0.5603

105.6332, 0.3880,
0.4755

12.5898, 0.4087,
0.5913

134.7923, 0.3838,
0.4646

7.1467, 0.3918,
0.6082

168.8769, 0.3799,
0.4551

3.5540, 0.3657,
0.6343

208.2715, 0.3763,
0.4468

1.4273, 0.3166,
0.6834

253.3605, 0.3730,

0.2367, 0.0000,

0.4394

1.0000

304.5282, 0.3699,
0.4329

■ 0.0000, 0.0000,
0.0000

■ 43.8655, 0.4016,
0.5193

■ 43.8655, 0.4016,
0.5193

■ 43.8660, 0.4016,
0.5193

■ 44.1236, 0.4011,
0.5138

■ 44.4270, 0.3986,
0.5047

■ 44.7939, 0.3934,
0.4912

■ 45.2322, 0.3859,
0.4736

■ 45.7488, 0.3761,
0.4525

■ 46.3497, 0.3647,
0.4290

■ 47.0404, 0.3521,
0.4040

■ 47.8257, 0.3390,
0.3785

■ 48.7102, 0.3257,
0.3532

Harmonies

Analogous

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



43.8655, 0.4838, 0.4542



43.8655, 0.4016, 0.5193



43.8655, 0.3034, 0.5267

Triad

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



43.8655, 0.4016, 0.5193



43.8655, 0.1373, 0.2219



43.8655, 0.4026, 0.2453

Complementary

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



43.8655, 0.4016, 0.5193



3.7295, 0.1535, 0.0619

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.



43.8655, 0.2895, 0.1984



43.8655, 0.4016, 0.5193



43.8655, 0.1531, 0.1813

Square

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



43.8655, 0.4016, 0.5193



43.8655, 0.1552, 0.3099



43.8655, 0.2026, 0.1758



43.8655, 0.4969, 0.3084

Rectangle

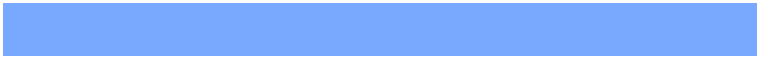
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.8655, 0.4016, 0.5193



43.8655, 0.2403, 0.4759



43.8655, 0.2026, 0.1758



43.8655, 0.3641, 0.2273

Sweetspot

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



43.8675, 0.4016, 0.5193



84.1798, 0.3528, 0.4054



11.0238, 0.6321, 0.3362



18.4188, 0.3582, 0.4161



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.



43.8675, 0.4016, 0.5193



78.5058, 0.4013, 0.5196



37.0304, 0.3241, 0.5808



11.0700, 0.3249, 0.3518



30.2431, 0.4018, 0.5192



1.1990, 0.4063, 0.5156

Inverse Universe

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



3.7295, 0.1535, 0.0619



6.6274, 0.1528, 0.0615



7.0510, 0.2232, 0.1003



9.2705, 0.2999, 0.3054



2.5827, 0.1540, 0.0622



0.1169, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 43.8655, 0.4016, 0.5193 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 43.8655, 0.4016, 0.5193 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 43.8655, 0.4016, 0.5193

Background



This preview shows how black text looks on a background with the Yxy color 43.8655, 0.4016, 0.5193.



This preview shows how white text looks on a background with the Yxy color 43.8655, 0.4016, 0.5193.

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

43.8655, 0.4016, 0.5193

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

43.4243, 0.4671, 0.4559



Tritanopia

43.8050, 0.3091, 0.3120

Trichromacy



Original Color

43.8655, 0.4016, 0.5193

Protanomaly

43.7391, 0.4260, 0.5000

Deuteranomaly

43.0191, 0.4444, 0.4792

Tritanomaly

42.9192, 0.3605, 0.4117

Monochromacy



Original Color

43.8655, 0.4016, 0.5193

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.4953, 0.3643, 0.4285

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8655, 0.4016, 0.5193 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(168, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.8655, 0.4016, 0.5193 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(168, 187, 0) }
```

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

```
.border{ border-color:rgb(168, 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(168, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8655, 0.4016, 0.5193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 0) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

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