

Converting Colors

$Yxy(51.7794, 0.3795, 0.5369)$

Have a look what the booklet for
Yxy(51.7794, 0.3795, 0.5369)
contains.

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Color

Yxy(51.6162, 0.3800, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	A0CE00
RGB	160, 206, 0
RGB Percent	63%, 81%, 0%
CMY	0.3726, 0.1921, 0.9987
CMYK	0.22, 0.00, 1.00, 0.19
HSL	73°, 100%, 40%
HSV	73°, 100%, 81%
XYZ	36.5663, 51.6162, 8.0446
YIQ	168.7620, 38.7100, -73.8180

Conversions

Conversions Part 2

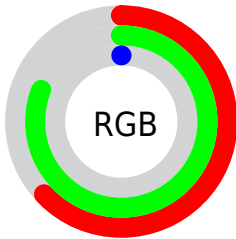
Format	Color
RYB	0, 206, 46
Decimal	10538496
CIELab	77.05, -37.43, 76.51
CIELCh	77, 85.175, 116.069
Yxy	51.6162, 0.3800, 0.5364
Android (android.graphics.Color)	4288728576 (0xFFA0CE00)
YUV	168.7620, -83.1997, -7.6843
Hunter-Lab	71.8444, -34.8775, 43.6523

Details

The Yxy color **51.6162, 0.3800, 0.5364** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.0533, 0.1615, 0.0664**, and the grayscale version is **39.9751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2202, 0.3793, 0.4970**, and **25.2813, 0.3633, 0.5497** is the 20% darker color. If you saturate the color by 10%, you get **51.6101, 0.3800, 0.5365**, and if you desaturate by 10%, it is **52.1557, 0.3818, 0.5290**.

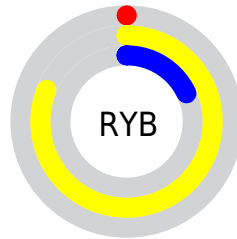
Distribution



Red (63%)

Green (81%)

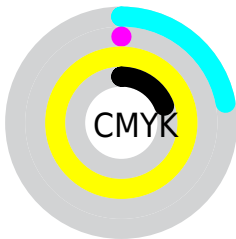
Blue (0%)



Red (0%)

Yellow (81%)

Blue (18%)

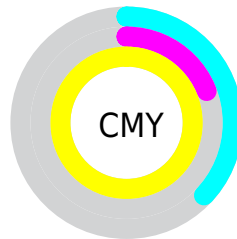


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (37%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6162, 0.3800, 0.5364 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 51.6162, 0.3800, 0.5364 by changing the saturation by 10% instead.


 51.6162, 0.3800,
0.5364

 51.6162, 0.3800,
0.5364

392.9531, 0.3580,
0.4357


 36.6992, 0.3807,
0.5579


 92.5650, 0.3754,
0.5020

 24.9747, 0.3789,
0.5827


 119.3656, 0.3727,
0.4884


 16.0582, 0.3740,
0.6137


 150.8962, 0.3699,
0.4765

 9.5654, 0.3573,
0.6427

 187.5412, 0.3672,
0.4662

 5.1117, 0.3259,
0.6741

 229.6850, 0.3647,
0.4571

 2.3130, 0.2758,
0.7242

 277.7120, 0.3623,

 0.7806, 0.0000,

0.4492

1.0000

332.0066, 0.3600,
0.4421

■ 0.0000, 0.0000,
0.0000

■ 51.6162, 0.3800,
0.5364

■ 51.6162, 0.3800,
0.5364

■ 51.6101, 0.3800,
0.5365

■ 52.1557, 0.3818,
0.5290

■ 52.7674, 0.3815,
0.5176

■ 53.4727, 0.3786,
0.5016

■ 54.2818, 0.3732,
0.4814

■ 55.2037, 0.3657,
0.4580

■ 56.2462, 0.3564,
0.4324

■ 57.4162, 0.3460,
0.4058

■ 58.7202, 0.3349,
0.3792

■ 60.1641, 0.3237,
0.3533

Harmonies

Analogous

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



51.6162, 0.4713, 0.4749



51.6162, 0.3800, 0.5364



51.6162, 0.2781, 0.5234

Triad

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



51.6162, 0.3800, 0.5364



51.6162, 0.1327, 0.2038



51.6162, 0.4333, 0.2562

Complementary

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



51.6162, 0.3800, 0.5364



5.0533, 0.1615, 0.0664

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.



51.6162, 0.3144, 0.2033



51.6162, 0.3800, 0.5364



51.6162, 0.1566, 0.1722

Square

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



51.6162, 0.3800, 0.5364



51.6162, 0.1420, 0.2820



51.6162, 0.2160, 0.1739



51.6162, 0.5184, 0.3231

Rectangle

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



51.6162, 0.3800, 0.5364



51.6162, 0.2164, 0.4550



51.6162, 0.2160, 0.1739



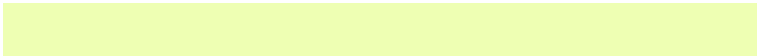
51.6162, 0.3943, 0.2364

Sweetspot

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



51.6185, 0.3800, 0.5364



92.9105, 0.3466, 0.4073



14.9927, 0.6152, 0.3495



19.7090, 0.3511, 0.4187



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.6185, 0.3800, 0.5364



83.5158, 0.3795, 0.5369



45.0654, 0.3124, 0.5901



12.9652, 0.3232, 0.3521



31.8216, 0.3806, 0.5360



1.6736, 0.3885, 0.5297

Inverse Universe

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



5.0533, 0.1615, 0.0664



8.0920, 0.1605, 0.0658



10.7351, 0.2499, 0.1151



10.9631, 0.3017, 0.3053



3.1391, 0.1625, 0.0669



0.1968, 0.1825, 0.0779

Previews

White Background



This preview shows how the Yxy color 51.6162, 0.3800, 0.5364 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 51.6162, 0.3800, 0.5364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

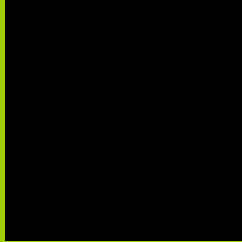
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6162, 0.3800, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 51.6162, 0.3800, 0.5364.



This preview shows how white text looks on a background with the Yxy color 51.6162, 0.3800, 0.5364.

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

51.6162, 0.3800, 0.5364

Protanopia

51.1231, 0.4407, 0.4883

Deuteranopia

51.1268, 0.4655, 0.4555



Tritanopia

51.2316, 0.2909, 0.3089

Trichromacy



Original Color

51.6162, 0.3800, 0.5364

Protanomaly

50.9492, 0.4175, 0.5067

Deuteranomaly

50.1628, 0.4351, 0.4857

Tritanomaly

49.8037, 0.3397, 0.4157

Monochromacy



Original Color

51.6162, 0.3800, 0.5364

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.6456, 0.3574, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6162, 0.3800, 0.5364 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(160, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 206, 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(160, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 206, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.6162, 0.3800, 0.5364 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(160, 206, 0) }
```

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

```
.border{ border-color:rgb(160, 206, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 206, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 206,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6162, 0.3800, 0.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 206, 0) }
```

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

```
.background{ background-color: rgb(160,  
206, 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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