

Converting Colors

$Y_{xy}(48.4573, 0.3564, 0.5253)$

Have a look what the booklet for
Yxy(48.4573, 0.3564, 0.5253)
contains.

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Color

Yxy(48.6225, 0.3564, 0.5258)

Conversions

Conversions Part 1

Format	Color
Hex	8DCB34
RGB	141, 203, 52
RGB Percent	55%, 80%, 20%
CMY	0.4471, 0.2039, 0.7962
CMYK	0.31, 0.00, 0.74, 0.20
HSL	85°, 59%, 50%
HSV	85°, 74%, 80%
XYZ	32.9575, 48.6225, 10.8934
YIQ	167.2480, 11.5190, -60.1050

Conversions

Conversions Part 2

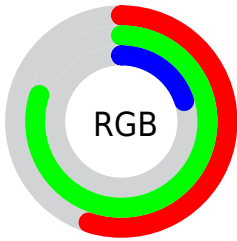
Format	Color
RYB	52, 203, 114
Decimal	9292596
CIELab	75.22, -41.90, 64.42
CIElCh	75, 76.850, 123.040
Yxy	48.6225, 0.3564, 0.5258
Android (android.graphics.Color)	4287482676 (0xFF8DCB34)
YUV	167.2480, -56.8173, -23.0195
Hunter-Lab	69.7298, -37.6599, 39.5485

Details

The Yxy color **48.6225, 0.3564, 0.5258** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **10.3436, 0.2183, 0.1192**, and the grayscale version is **39.0473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7662, 0.3559, 0.4861**, and **23.0646, 0.3474, 0.5624** is the 20% darker color. If you saturate the color by 10%, you get **47.7760, 0.3552, 0.5434**, and if you desaturate by 10%, it is **49.6069, 0.3552, 0.5036**.

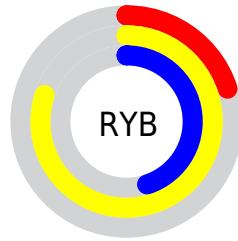
Distribution



Red (55%)

Green (80%)

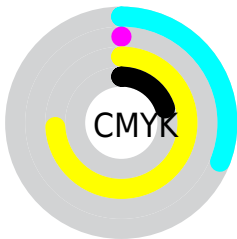
Blue (20%)



Red (20%)

Yellow (80%)

Blue (45%)

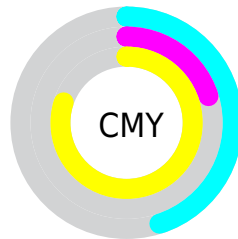


Cyan (31%)

Magenta (0%)

Yellow (74%)

Black (20%)



Cyan (45%)


Magenta (20%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6225, 0.3564, 0.5258 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 48.6225, 0.3564, 0.5258 by changing the saturation by 10% instead.


 48.6225, 0.3564,
0.5258


 48.6225, 0.3564,
0.5258

381.2543, 0.3428,
0.4255


 34.3201, 0.3563,
0.5495


 88.1305, 0.3539,
0.4899


 23.1396, 0.3540,
0.5784


 114.1050, 0.3522,
0.4762

 14.6966, 0.3471,
0.6134


 144.7389, 0.3505,
0.4645

 8.6068, 0.3358,
0.6642

 180.4166, 0.3487,
0.4545

 4.4856, 0.2978,
0.7022

 221.5227, 0.3471,
0.4458

 1.9487, 0.2288,
0.7712

268.4414, 0.3456,

 0.5774, 0.0000,

0.4381

1.0000

321.5571, 0.3441,
0.4314

■ 0.0000, 0.0000,
0.0000

■ 48.6225, 0.3564,
0.5258

■ 48.6225, 0.3564,
0.5258

■ 47.7760, 0.3552,
0.5434

■ 49.6069, 0.3552,
0.5036

■ 47.0489, 0.3517,
0.5557

■ 50.7329, 0.3518,
0.4779

■ 46.6829, 0.3491,
0.5610

■ 52.0116, 0.3466,
0.4500

■ 53.4509, 0.3399,
0.4213

■ 55.0582, 0.3324,
0.3928

■ 56.8403, 0.3244,
0.3654

■ 58.8035, 0.3163,
0.3397

■ 60.9539, 0.3082,
0.3159

■ 63.2972, 0.3005,
0.2943

Harmonies

Analogous

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



48.6225, 0.4456, 0.4837



48.6225, 0.3564, 0.5258



48.6225, 0.2612, 0.4881

Triad

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



48.6225, 0.3564, 0.5258



48.6225, 0.1456, 0.2024



48.6225, 0.4471, 0.2756

Complementary

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



48.6225, 0.3564, 0.5258



10.3436, 0.2183, 0.1192

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.



48.6225, 0.3402, 0.2211



48.6225, 0.3564, 0.5258



48.6225, 0.1761, 0.1796

Square

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



48.6225, 0.3564, 0.5258



48.6225, 0.1475, 0.2654



48.6225, 0.2413, 0.1873



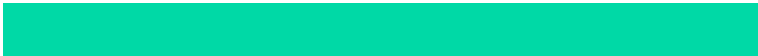
48.6225, 0.5117, 0.3415

Rectangle

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



48.6225, 0.3564, 0.5258



48.6225, 0.2070, 0.4159



48.6225, 0.2413, 0.1873



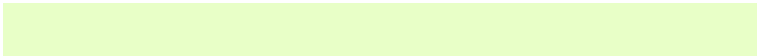
48.6225, 0.4136, 0.2556

Sweetspot

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



48.6246, 0.3564, 0.5258



92.7881, 0.3308, 0.3869



24.6198, 0.5009, 0.3967



19.6924, 0.3329, 0.3946



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.



48.6246, 0.3564, 0.5258



79.2641, 0.3534, 0.5512



44.1596, 0.3078, 0.5594



12.8581, 0.3204, 0.3523



29.7605, 0.3500, 0.5603



1.5791, 0.3634, 0.5496

Inverse Universe

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



10.3436, 0.2183, 0.1192



12.1362, 0.1968, 0.0905



17.4454, 0.3021, 0.1611



11.0652, 0.3045, 0.3055



3.9755, 0.1870, 0.0804



0.2492, 0.2095, 0.0928

Previews

White Background



This preview shows how the Yxy color 48.6225, 0.3564, 0.5258 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 48.6225, 0.3564, 0.5258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

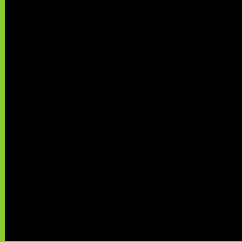
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6225, 0.3564, 0.5258

Background



This preview shows how black text looks on a background with the Yxy color 48.6225, 0.3564, 0.5258.



This preview shows how white text looks on a background with the Yxy color 48.6225, 0.3564, 0.5258.

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

48.6225, 0.3564, 0.5258

Protanopia

48.1686, 0.4297, 0.4748

Deuteranopia

47.8418, 0.4521, 0.4427



Tritanopia

48.2284, 0.2795, 0.3092

Trichromacy



Original Color

48.6225, 0.3564, 0.5258

Protanomaly

47.9883, 0.4012, 0.4945

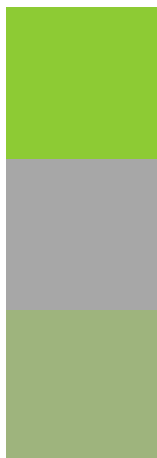
Deuteranomaly

47.0195, 0.4165, 0.4727

Tritanomaly

47.5258, 0.3129, 0.3928

Monochromacy



Original Color

48.6225, 0.3564, 0.5258

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.3923, 0.3375, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6225, 0.3564, 0.5258 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(141, 203, 52)` looks like.

```
.text, #text, p{  
    color:rgb(141, 203, 52)  
}
```

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(141, 203, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 203, 52) }
```

Border

The CSS property to change the border of an element to Yxy 48.6225, 0.3564, 0.5258 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(141, 203, 52) }
```

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

```
.border{ border-color:rgb(141, 203, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 203, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 203, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 203, 52);  
box-shadow:4px 4px 4px 4px rgb(141, 203,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6225, 0.3564, 0.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 203, 52) }
```

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

```
.background{ background-color: rgb(141,  
203, 52) }
```

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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