

Converting Colors

$Yxy(65.0907, 0.3646, 0.5109)$

Have a look what the booklet for
Yxy(65.0907, 0.3646, 0.5109)
contains.

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Color

Yxy(64.9277, 0.3643, 0.5108)

Conversions

Conversions Part 1

Format	Color
Hex	AEE446
RGB	174, 228, 70
RGB Percent	68%, 89%, 27%
CMY	0.3176, 0.1059, 0.7257
CMYK	0.24, 0.00, 0.69, 0.11
HSL	80°, 75%, 58%
HSV	80°, 69%, 89%
XYZ	46.3061, 64.9277, 15.8760
YIQ	193.8420, 18.5340, -60.5860

Conversions

Conversions Part 2

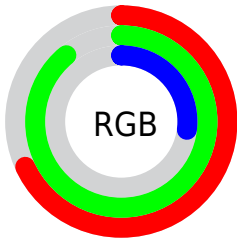
Format	Color
RYB	70, 228, 124
Decimal	11461702
CIELab	84.45, -39.53, 67.92
CIElCh	84, 78.582, 120.199
Yxy	64.9277, 0.3643, 0.5108
Android (android.graphics.Color)	4289651782 (0xFFAEE446)
YUV	193.8420, -61.0541, -17.4014
Hunter-Lab	80.5777, -38.4313, 44.7227

Details

The Yxy color **64.9277, 0.3643, 0.5108** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.2548, 0.2156, 0.1255**, and the grayscale version is **54.2104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3759, 0.3711, 0.4582**, and **33.2870, 0.3643, 0.5490** is the 20% darker color. If you saturate the color by 10%, you get **63.8267, 0.3652, 0.5294**, and if you desaturate by 10%, it is **66.1955, 0.3609, 0.4880**.

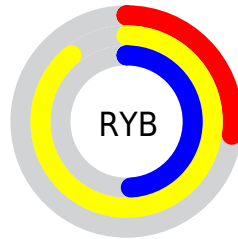
Distribution



Red (68%)

Green (89%)

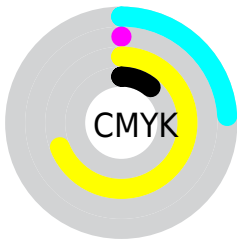
Blue (27%)



Red (27%)

Yellow (89%)

Blue (49%)

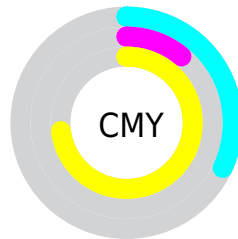


Cyan (24%)

Magenta (0%)

Yellow (69%)

Black (11%)



Cyan (32%)

Magenta (11%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9277, 0.3643, 0.5108 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 64.9277, 0.3643, 0.5108 by changing the saturation by 10% instead.


 64.9277, 0.3643,
0.5108

 64.9277, 0.3643,
0.5108

442.5321, 0.3469,
0.4232

 47.4025, 0.3658,
0.5304

 111.9459, 0.3601,
0.4805


 33.3539, 0.3661,
0.5538


 142.2077, 0.3579,
0.4686


 22.3977, 0.3639,
0.5818


 177.4837, 0.3558,
0.4583

 14.1494, 0.3574,
0.6160

 218.1584, 0.3537,
0.4494

 8.2247, 0.3424,
0.6576

 264.6162, 0.3518,
0.4416

 4.2390, 0.3053,
0.6947

317.2415, 0.3501,

 1.8082, 0.2349,

0.4348

0.7651

376.4187, 0.3484,
0.4287

■ 0.4923, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9277, 0.3643,
0.5108

■ 64.9277, 0.3643,
0.5108

■ 63.8267, 0.3652,
0.5294

■ 66.1955, 0.3609,
0.4880

■ 62.8699, 0.3637,
0.5431

■ 67.6335, 0.3554,
0.4622


■ 62.0382, 0.3600,
0.5521

■ 69.2550, 0.3482,
0.4346

■ 61.9846, 0.3597,
0.5526


■ 71.0697, 0.3398,
0.4064

 73.0861, 0.3307,
0.3788

 75.3126, 0.3214,
0.3522

 77.7568, 0.3121,
0.3274

 80.4258, 0.3031,
0.3044

 81.9601, 0.3066,
0.3023

Harmonies

Analogous

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



64.9277, 0.4462, 0.4703



64.9277, 0.3643, 0.5108



64.9277, 0.2740, 0.4821

Triad

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



64.9277, 0.3643, 0.5108



64.9277, 0.1535, 0.2144



64.9277, 0.4293, 0.2739

Complementary

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



64.9277, 0.3643, 0.5108



14.2548, 0.2156, 0.1255

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.



64.9277, 0.3292, 0.2233



64.9277, 0.3643, 0.5108



64.9277, 0.1798, 0.1888

Square

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



64.9277, 0.3643, 0.5108



64.9277, 0.1588, 0.2788



64.9277, 0.2388, 0.1933



64.9277, 0.4951, 0.3365

Rectangle

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



64.9277, 0.3643, 0.5108



64.9277, 0.2210, 0.4199



64.9277, 0.2388, 0.1933



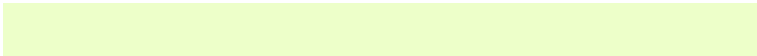
64.9277, 0.3974, 0.2552

Sweetspot

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



64.9306, 0.3643, 0.5108



93.7130, 0.3324, 0.3837



31.0104, 0.4967, 0.3838



19.9010, 0.3349, 0.3913



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.



64.9306, 0.3643, 0.5108



81.7290, 0.3649, 0.5357



58.4322, 0.3137, 0.5440



16.5579, 0.3215, 0.3526



35.8592, 0.3606, 0.5519



2.7007, 0.3693, 0.5450

Inverse Universe

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



14.2548, 0.2156, 0.1255



12.6616, 0.1940, 0.0942



22.4841, 0.2920, 0.1623



14.1252, 0.3033, 0.3051



4.2255, 0.1759, 0.0743



0.3621, 0.1920, 0.0831

Previews

White Background



This preview shows how the Yxy color 64.9277, 0.3643, 0.5108 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 64.9277, 0.3643, 0.5108 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 64.9277, 0.3643, 0.5108

Background



This preview shows how black text looks on a background with the Yxy color 64.9277, 0.3643, 0.5108.

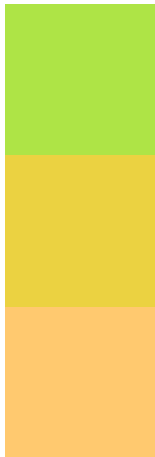


This preview shows how white text looks on a background with the Yxy color 64.9277, 0.3643, 0.5108.

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

64.9277, 0.3643, 0.5108

Protanopia

64.1370, 0.4262, 0.4692

Deuteranopia

64.1810, 0.4243, 0.4190



Tritanopia

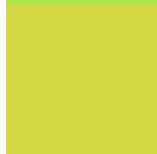
64.6391, 0.2876, 0.3095

Trichromacy



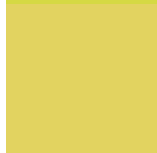
Original Color

64.9277, 0.3643, 0.5108



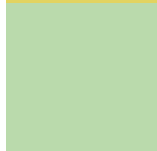
Protanomaly

64.1771, 0.4025, 0.4850



Deuteranomaly

63.6018, 0.4034, 0.4520



Tritanomaly

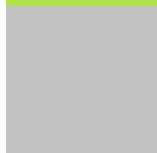
63.5605, 0.3201, 0.3856

Monochromacy



Original Color

64.9277, 0.3643, 0.5108



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.8773, 0.3386, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9277, 0.3643, 0.5108 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, 228, 70)` looks like.

```
.text, #text, p{  
    color:rgb(174, 228, 70)  
}
```

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, 228, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 228, 70) }
```

Border

The CSS property to change the border of an element to Yxy 64.9277, 0.3643, 0.5108 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, 228, 70) }
```

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

```
.border{ border-color:rgb(174, 228, 70) }
```

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

Here you see how a box with a 4 pixel rgb(174, 228, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 228, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 228, 70);  
box-shadow:4px 4px 4px 4px rgb(174, 228,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9277, 0.3643, 0.5108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 228, 70) }
```

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

```
.background{ background-color: rgb(174,  
228, 70) }
```

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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