

Converting Colors

$Yxy(68.5473, 0.3658, 0.5373)$

Have a look what the booklet for
Yxy(68.5473, 0.3658, 0.5373)
contains.

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Color

Yxy(68.5473, 0.3658, 0.5373)

Conversions

Conversions Part 1

Format	Color
Hex	A9EC23
RGB	169, 236, 35
RGB Percent	66%, 93%, 14%
CMY	0.3371, 0.0745, 0.8627
CMYK	0.28, 0.00, 0.85, 0.07
HSL	80°, 84%, 53%
HSV	80°, 85%, 93%
XYZ	46.6678, 68.5473, 12.3622
YIQ	193.0530, 24.5890, -76.7150

Conversions

Conversions Part 2

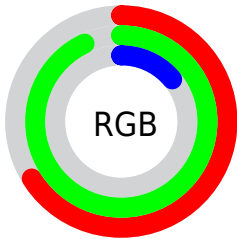
Format	Color
RYB	35, 236, 102
Decimal	11136035
CIELab	86.28, -46.41, 79.50
CIELCh	86, 92.052, 120.273
Yxy	68.5473, 0.3658, 0.5373
Android (android.graphics.Color)	4289326115 (0xFFA9EC23)
YUV	193.0530, -77.9201, -21.0945
Hunter-Lab	82.7933, -44.2738, 49.1024

Details

The Yxy color **68.5473, 0.3658, 0.5373** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **10.0830, 0.1903, 0.0904**, and the grayscale version is **53.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1373, 0.3796, 0.4801**, and **35.9575, 0.3530, 0.5579** is the 20% darker color. If you saturate the color by 10%, you get **67.6101, 0.3629, 0.5478**, and if you desaturate by 10%, it is **69.6369, 0.3662, 0.5217**.

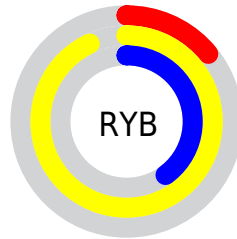
Distribution



Red (66%)

Green (93%)

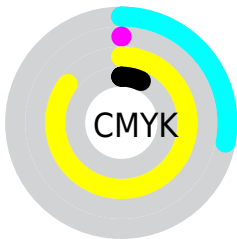
Blue (14%)



Red (14%)

Yellow (93%)

Blue (40%)

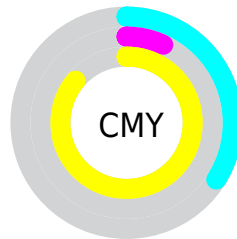


Cyan (28%)

Magenta (0%)

Yellow (85%)

Black (7%)



Cyan (34%)


Magenta (7%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5473, 0.3658, 0.5373 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 68.5473, 0.3658, 0.5373 by changing the saturation by 10% instead.


 68.5473, 0.3658,
0.5373


 68.5473, 0.3658,
0.5373


455.4327, 0.3510,
0.4390


 50.3431, 0.3657,
0.5582


 117.1348, 0.3633,
0.5040

 35.6861, 0.3636,
0.5826


 148.2868, 0.3616,
0.4907


 24.1919, 0.3578,
0.6107


 184.5236, 0.3597,
0.4792

 15.4760, 0.3494,
0.6497

 226.2296, 0.3578,
0.4691

 9.1541, 0.3224,
0.6776

 273.7891, 0.3560,
0.4602

 4.8419, 0.2824,
0.7176

 327.5865, 0.3542,

 2.1548, 0.2121,

0.4523

0.7879

388.0062, 0.3526,
0.4453

■ 0.6952, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5473, 0.3658,
0.5373

■ 68.5473, 0.3658,
0.5373

■ 67.6101, 0.3629,
0.5478


■ 69.6369, 0.3662,
0.5217

■ 67.1950, 0.3610,
0.5516


■ 70.8871, 0.3642,
0.5015

■ 72.3149, 0.3597,
0.4774


■ 73.9326, 0.3533,
0.4508

 75.7511, 0.3454,
0.4229

 77.7803, 0.3365,
0.3949

 80.0295, 0.3271,
0.3676

 82.5072, 0.3176,
0.3417

 85.2215, 0.3082,
0.3176

Harmonies

Analogous

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



68.5473, 0.4586, 0.4839



68.5473, 0.3658, 0.5373



68.5473, 0.2654, 0.5090

Triad

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



68.5473, 0.3658, 0.5373



68.5473, 0.1362, 0.1989



68.5473, 0.4465, 0.2660

Complementary

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



68.5473, 0.3658, 0.5373



10.0830, 0.1903, 0.0904

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.



68.5473, 0.3306, 0.2110



68.5473, 0.3658, 0.5373



68.5473, 0.1646, 0.1726

Square

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



68.5473, 0.3658, 0.5373



68.5473, 0.1408, 0.2690



68.5473, 0.2288, 0.1783



68.5473, 0.5212, 0.3335

Rectangle

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



68.5473, 0.3658, 0.5373



68.5473, 0.2069, 0.4345



68.5473, 0.2288, 0.1783



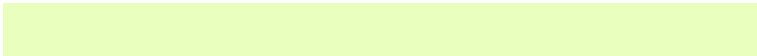
68.5473, 0.4095, 0.2457

Sweetspot

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



68.5503, 0.3658, 0.5373



92.4899, 0.3373, 0.3975



26.8142, 0.5552, 0.3785



19.6121, 0.3405, 0.4072



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.



68.5503, 0.3658, 0.5373



80.0710, 0.3607, 0.5518



61.4834, 0.3105, 0.5791



17.3611, 0.3217, 0.3526



37.1137, 0.3619, 0.5509



2.9665, 0.3700, 0.5444

Inverse Universe

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



10.0830, 0.1903, 0.0904



9.1492, 0.1727, 0.0725



19.4223, 0.2814, 0.1389



14.7927, 0.3032, 0.3050



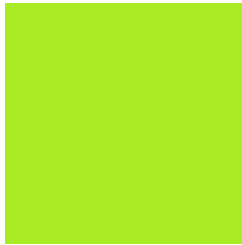
4.3088, 0.1746, 0.0736



0.3892, 0.1897, 0.0819

Previews

White Background



This preview shows how the Yxy color 68.5473, 0.3658, 0.5373 looks on a white background.

Color Contrast Check

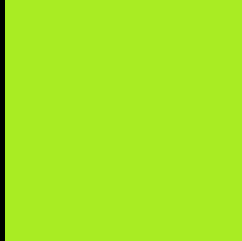
Large Text (above 18pt) WCAG AA × Fail

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 68.5473, 0.3658, 0.5373 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 68.5473, 0.3658, 0.5373

Background



This preview shows how black text looks on a background with the Yxy color 68.5473, 0.3658, 0.5373.



This preview shows how white text looks on a background with the Yxy color 68.5473, 0.3658, 0.5373.

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

68.5473, 0.3658, 0.5373

Protanopia

67.5668, 0.4377, 0.4837

Deuteranopia

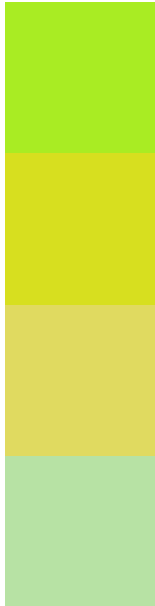
67.5243, 0.4072, 0.4065



Tritanopia

68.3772, 0.2825, 0.3097

Trichromacy



Original Color

68.5473, 0.3658, 0.5373

Protanomaly

67.3214, 0.4098, 0.5047

Deuteranomaly

66.8346, 0.3976, 0.4588

Tritanomaly

67.1403, 0.3222, 0.4049

Monochromacy



Original Color

68.5473, 0.3658, 0.5373

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

57.5688, 0.3444, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5473, 0.3658, 0.5373 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(169, 236, 35)` looks like.

```
.text, #text, p{  
    color:rgb(169, 236, 35)  
}
```

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(169, 236, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 236, 35) }
```

Border

The CSS property to change the border of an element to Yxy 68.5473, 0.3658, 0.5373 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(169, 236, 35) }
```

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

```
.border{ border-color:rgb(169, 236, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 236, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 236, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 236, 35);  
box-shadow:4px 4px 4px 4px rgb(169, 236,  
35) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.5473, 0.3658, 0.5373$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 236, 35) }
```

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

```
.background{ background-color: rgb(169,  
236, 35) }
```

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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