

Converting Colors

$Yxy(68.8003, 0.3222, 0.5573)$

Have a look what the booklet for
Yxy(68.8003, 0.3222, 0.5573)
contains.

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Color

Yxy(68.9053, 0.3219, 0.5573)

Conversions

Conversions Part 1

Format	Color
Hex	6EF538
RGB	110, 245, 56
RGB Percent	43%, 96%, 22%
CMY	0.5684, 0.0392, 0.7806
CMYK	0.55, 0.00, 0.77, 0.04
HSL	103°, 90%, 59%
HSV	103°, 77%, 96%
XYZ	39.8001, 68.9053, 14.9359
YIQ	183.0890, -19.7910, -87.3990

Conversions

Conversions Part 2

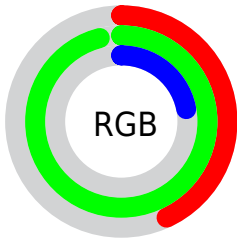
Format	Color
RYB	56, 245, 191
Decimal	7271736
CIELab	86.46, -67.56, 73.50
CIELCh	86, 99.833, 132.586
Yxy	68.9053, 0.3219, 0.5573
Android (android.graphics.Color)	4285461816 (0xFF6EF538)
YUV	183.0890, -62.6549, -64.0991
Hunter-Lab	83.0092, -59.6814, 47.4384

Details

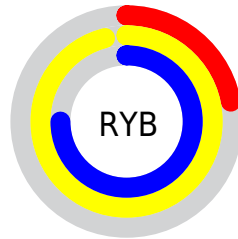
The Yxy color **68.9053, 0.3219, 0.5573** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **20.4786, 0.2657, 0.1383**, and the grayscale version is **47.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6886, 0.3355, 0.4876**, and **35.8320, 0.3050, 0.5960** is the 20% darker color. If you saturate the color by 10%, you get **67.7106, 0.3181, 0.5762**, and if you desaturate by 10%, it is **70.4443, 0.3244, 0.5320**.

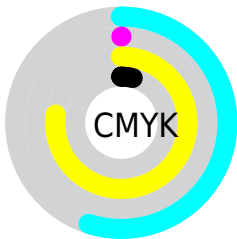
Distribution



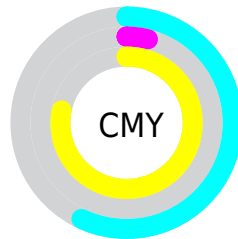
- Red (43%)
- Green (96%)
- Blue (22%)



- Red (22%)
- Yellow (96%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (77%)
- Black (4%)





- Cyan (57%)
- Magenta (4%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9053, 0.3219, 0.5573 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 68.9053, 0.3219, 0.5573 by changing the saturation by 10% instead.


 68.9053, 0.3219,
0.5573

 68.9053, 0.3219,
0.5573


456.6969, 0.3274,
0.4444


 50.6346, 0.3175,
0.5832


 117.6463, 0.3262,
0.5176

 35.9179, 0.3103,
0.6144


 148.8854, 0.3272,
0.5023


 24.3708, 0.2983,
0.6521


 185.2161, 0.3277,
0.4891

 15.6089, 0.2795,
0.6998

 227.0227, 0.3279,
0.4777

 9.2478, 0.2468,
0.7532

 274.6897, 0.3279,
0.4677

 4.9032, 0.1927,
0.8073


328.6015, 0.3278,

 2.1906, 0.0363,


0.4590


0.9637


389.1424, 0.3276,
0.4513


 0.7148, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.9053, 0.3219,
0.5573


 68.9053, 0.3219,
0.5573

 67.7106, 0.3181,
0.5762

 70.4443, 0.3244,
0.5320

 66.8190, 0.3133,
0.5880

 72.3461, 0.3254,
0.5022


 66.6113, 0.3119,
0.5905


 74.6374, 0.3251,
0.4697

 77.3402, 0.3236,
0.4367

 80.4743, 0.3212,
0.4046

 84.0585, 0.3183,
0.3745

 88.1103, 0.3151,
0.3470

 92.6462, 0.3118,
0.3223

 93.7849, 0.3132,
0.3194

Harmonies

Analogous

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



68.9053, 0.4265, 0.5222



68.9053, 0.3219, 0.5573



68.9053, 0.2201, 0.4801

Triad

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



68.9053, 0.3219, 0.5573



68.9053, 0.1342, 0.1742



68.9053, 0.4992, 0.2888

Complementary

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



68.9053, 0.3219, 0.5573



20.4786, 0.2657, 0.1383

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.



68.9053, 0.3840, 0.2248



68.9053, 0.3219, 0.5573



68.9053, 0.1781, 0.1622

Square

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



68.9053, 0.3219, 0.5573



68.9053, 0.1243, 0.2259



68.9053, 0.2625, 0.1802



68.9053, 0.5456, 0.3617

Rectangle

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



68.9053, 0.3219, 0.5573



68.9053, 0.1686, 0.3824



68.9053, 0.2625, 0.1802



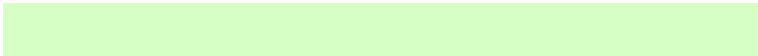
68.9053, 0.4658, 0.2661

Sweetspot

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



68.9082, 0.3219, 0.5573



89.6878, 0.3201, 0.3920



55.7855, 0.4559, 0.4509



18.9032, 0.3211, 0.4031



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.



68.9082, 0.3219, 0.5573



73.5283, 0.3152, 0.5841



66.9480, 0.2908, 0.5365



18.7016, 0.3159, 0.3532



35.9454, 0.3129, 0.5897



3.2093, 0.3219, 0.5826

Inverse Universe

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



20.4786, 0.2657, 0.1383



18.2291, 0.2534, 0.1191



26.7500, 0.3629, 0.1928



16.5162, 0.3092, 0.3053



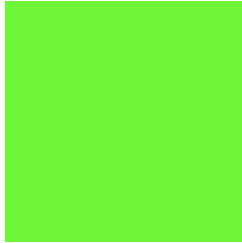
8.5281, 0.2495, 0.1148



0.8015, 0.2587, 0.1199

Previews

White Background



This preview shows how the Yxy color 68.9053, 0.3219, 0.5573 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 68.9053, 0.3219, 0.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

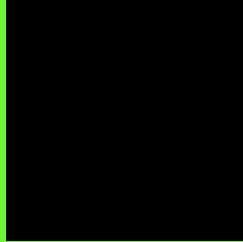
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

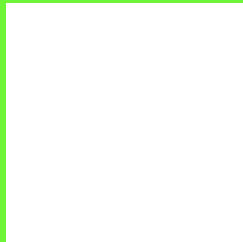
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9053, 0.3219, 0.5573

Background



This preview shows how black text looks on a background with the Yxy color 68.9053, 0.3219, 0.5573.

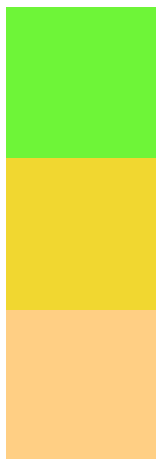


This preview shows how white text looks on a background with the Yxy color 68.9053, 0.3219, 0.5573.

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

68.9053, 0.3219, 0.5573

Protanopia

67.5150, 0.4327, 0.4780

Deuteranopia

67.5516, 0.4065, 0.4055



Tritanopia

68.2219, 0.2525, 0.3064

Trichromacy



Original Color

68.9053, 0.3219, 0.5573



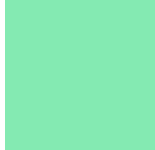
Protanomaly

65.9692, 0.3859, 0.5114



Deuteranomaly

65.2689, 0.3741, 0.4632



Tritanomaly

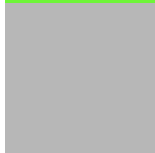
66.9655, 0.2821, 0.4022

Monochromacy



Original Color

68.9053, 0.3219, 0.5573



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.0167, 0.3221, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9053, 0.3219, 0.5573 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(110, 245, 56)` looks like.

```
.text, #text, p{  
    color:rgb(110, 245, 56)  
}
```

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(110, 245, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 245, 56) }
```

Border

The CSS property to change the border of an element to Yxy 68.9053, 0.3219, 0.5573 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(110, 245, 56) }
```

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

```
.border{ border-color:rgb(110, 245, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 245, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 245, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 245, 56);  
box-shadow:4px 4px 4px 4px rgb(110, 245,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9053, 0.3219, 0.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 245, 56) }
```

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

```
.background{ background-color: rgb(110,  
245, 56) }
```

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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