

Converting Colors

$Y_{xy}(67.0833, 0.3291, 0.5712)$

Have a look what the booklet for
Yxy(67.0833, 0.3291, 0.5712)
contains.

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Color

Yxy(67.0109, 0.3289, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	70F217
RGB	112, 242, 23
RGB Percent	44%, 95%, 9%
CMY	0.5610, 0.0509, 0.9091
CMYK	0.54, 0.00, 0.90, 0.05
HSL	96°, 89%, 52%
HSV	96°, 90%, 95%
XYZ	38.5852, 67.0109, 11.7199
YIQ	178.1640, -7.1810, -95.6690

Conversions

Conversions Part 2

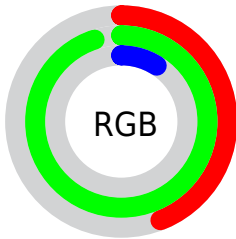
Format	Color
R _Y B	23, 242, 153
Decimal	7402007
CIE Lab	85.51, -67.32, 79.88
CIE LCh	86, 104.462, 130.122
Yxy	67.0109, 0.3289, 0.5712
Android (android.graphics.Color)	4285592087 (0xFF70F217)
YUV	178.1640, -76.4959, -58.0258
Hunter-Lab	81.8602, -59.1184, 48.8136

Details

The Yxy color **67.0109, 0.3289, 0.5712** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **13.8273, 0.2298, 0.1076**, and the grayscale version is **45.0335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4970, 0.3449, 0.5056**, and **35.0380, 0.3060, 0.5953** is the 20% darker color. If you saturate the color by 10%, you get **66.1160, 0.3236, 0.5813**, and if you desaturate by 10%, it is **68.1791, 0.3332, 0.5550**.

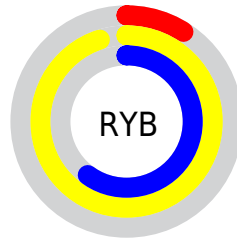
Distribution



Red (44%)

Green (95%)

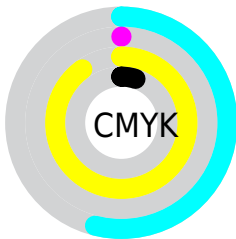
Blue (9%)



Red (9%)

Yellow (95%)

Blue (60%)

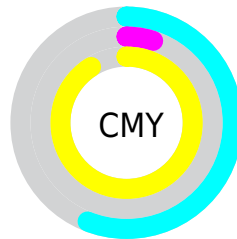


Cyan (54%)

Magenta (0%)

Yellow (90%)

Black (5%)



Cyan (56%)


Magenta (5%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0109, 0.3289, 0.5712 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 67.0109, 0.3289, 0.5712 by changing the saturation by 10% instead.


 67.0109, 0.3289,
0.5712

 67.0109, 0.3289,
0.5712


449.9836, 0.3331,
0.4523

 49.0935, 0.3240,
0.5977


 114.9360, 0.3334,
0.5300


 34.6936, 0.3159,
0.6291


 145.7125, 0.3342,
0.5138


 23.4270, 0.3023,
0.6661


 181.5442, 0.3345,
0.4999

 14.9091, 0.2830,
0.7170

 222.8154, 0.3345,
0.4878

 8.7556, 0.2433,
0.7567

 269.9105, 0.3343,
0.4772

 4.5821, 0.1874,
0.8126

 323.2140, 0.3340,

 2.0042, 0.0000,

0.4679

1.0000

383.1102, 0.3336,
0.4597

■ 0.6099, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0109, 0.3289,
0.5712

■ 67.0109, 0.3289,
0.5712


■ 66.1160, 0.3236,
0.5813


■ 68.1791, 0.3332,
0.5550

■ 69.6101, 0.3356,
0.5328


■ 71.3288, 0.3361,
0.5059


■ 73.3541, 0.3348,
0.4758

 75.7031, 0.3319,
0.4444

 78.3914, 0.3280,
0.4133

 81.4334, 0.3233,
0.3834

 84.8426, 0.3182,
0.3555

 88.6319, 0.3129,
0.3300

Harmonies

Analogous

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



67.0109, 0.4371, 0.5230



67.0109, 0.3289, 0.5712



67.0109, 0.2222, 0.5014

Triad

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



67.0109, 0.3289, 0.5712



67.0109, 0.1254, 0.1700



67.0109, 0.5013, 0.2800

Complementary

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



67.0109, 0.3289, 0.5712



13.8273, 0.2298, 0.1076

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.



67.0109, 0.3761, 0.2155



67.0109, 0.3289, 0.5712



67.0109, 0.1672, 0.1555

Square

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



67.0109, 0.3289, 0.5712



67.0109, 0.1177, 0.2268



67.0109, 0.2507, 0.1717



67.0109, 0.5563, 0.3539

Rectangle

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



67.0109, 0.3289, 0.5712



67.0109, 0.1669, 0.3980



67.0109, 0.2507, 0.1717



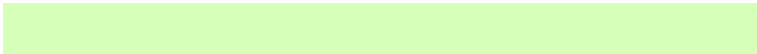
67.0109, 0.4643, 0.2570

Sweetspot

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



67.0138, 0.3289, 0.5712



89.3795, 0.3265, 0.4031



41.0203, 0.5030, 0.4315



18.8898, 0.3280, 0.4135



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.



67.0138, 0.3289, 0.5712



74.4296, 0.3234, 0.5814



63.8572, 0.2980, 0.5852



17.9693, 0.3177, 0.3530



35.5898, 0.3248, 0.5803



3.0173, 0.3350, 0.5722

Inverse Universe

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



13.8273, 0.2298, 0.1076



13.8531, 0.2202, 0.0987



24.8685, 0.3409, 0.1683



15.6931, 0.3073, 0.3053



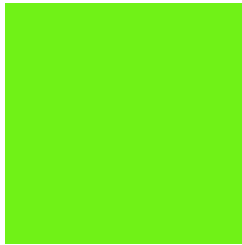
6.7030, 0.2220, 0.0996



0.6155, 0.2347, 0.1066

Previews

White Background



This preview shows how the Yxy color 67.0109, 0.3289, 0.5712 looks on a white background.

Color Contrast Check

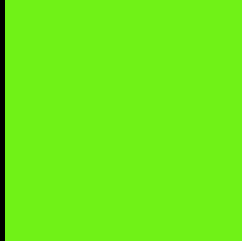
Large Text (above 18pt) WCAG AA × Fail

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 67.0109, 0.3289, 0.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

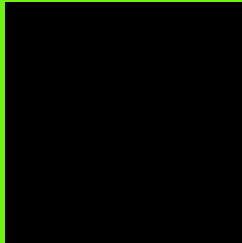
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

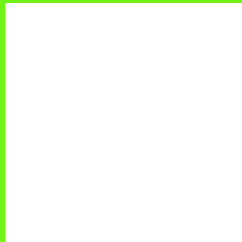
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0109, 0.3289, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 67.0109, 0.3289, 0.5712.



This preview shows how white text looks on a background with the Yxy color 67.0109, 0.3289, 0.5712.

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

67.0109, 0.3289, 0.5712

Protanopia

65.9502, 0.4398, 0.4881

Deuteranopia

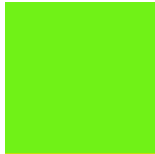
65.7301, 0.4185, 0.4165



Tritanopia

66.4325, 0.2543, 0.3074

Trichromacy



Original Color

67.0109, 0.3289, 0.5712



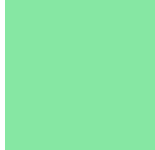
Protanomaly

64.6753, 0.3940, 0.5230



Deuteranomaly

63.4639, 0.3870, 0.4791



Tritanomaly

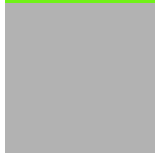
64.8645, 0.2910, 0.4193

Monochromacy



Original Color

67.0109, 0.3289, 0.5712



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.0485, 0.3313, 0.4396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0109, 0.3289, 0.5712 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(112, 242, 23)` looks like.

```
.text, #text, p{  
    color:rgb(112, 242, 23)  
}
```

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(112, 242, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 242, 23) }
```

Border

The CSS property to change the border of an element to Yxy 67.0109, 0.3289, 0.5712 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(112, 242, 23) }
```

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

```
.border{ border-color:rgb(112, 242, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 242, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 242, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 242, 23);  
box-shadow:4px 4px 4px 4px rgb(112, 242,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0109, 0.3289, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 242, 23) }
```

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

```
.background{ background-color: rgb(112,  
242, 23) }
```

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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