

Converting Colors

$Y_{xy}(65.5791, 0.3351, 0.5684)$

Have a look what the booklet for
Yxy(65.5791, 0.3351, 0.5684)
contains.

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Color

Yxy(65.7665, 0.3347, 0.5686)

Conversions

Conversions Part 1

Format	Color
Hex	78EF11
RGB	120, 239, 17
RGB Percent	47%, 94%, 7%
CMY	0.5294, 0.0627, 0.9332
CMYK	0.50, 0.00, 0.93, 0.06
HSL	92°, 87%, 50%
HSV	92°, 93%, 94%
XYZ	38.7127, 65.7665, 11.1847
YIQ	178.1110, 0.3380, -94.2700

Conversions

Conversions Part 2

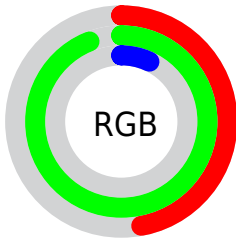
Format	Color
R _Y B	17, 239, 136
Decimal	7925521
CIE Lab	84.88, -64.18, 80.26
CIE LCh	85, 102.768, 128.650
Yxy	65.7665, 0.3347, 0.5686
Android (android.graphics.Color)	4286115601 (0xFF78EF11)
YUV	178.1110, -79.4277, -50.9633
Hunter-Lab	81.0965, -56.7092, 48.5904

Details

The Yxy color **65.7665, 0.3347, 0.5686** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **11.8729, 0.2155, 0.0986**, and the grayscale version is **45.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2732, 0.3505, 0.5053**, and **34.1340, 0.3121, 0.5904** is the 20% darker color. If you saturate the color by 10%, you get **65.1065, 0.3307, 0.5756**, and if you desaturate by 10%, it is **66.8667, 0.3392, 0.5544**.

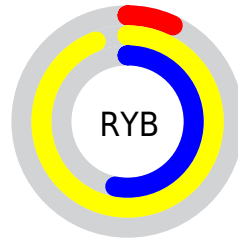
Distribution



Red (47%)

Green (94%)

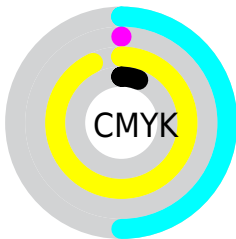
Blue (7%)



Red (7%)

Yellow (94%)

Blue (53%)

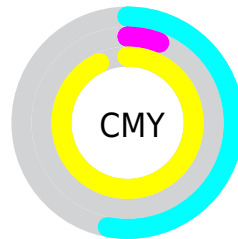


Cyan (50%)

Magenta (0%)

Yellow (93%)

Black (6%)



Cyan (53%)


Magenta (6%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7665, 0.3347, 0.5686 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 65.7665, 0.3347, 0.5686 by changing the saturation by 10% instead.


 65.7665, 0.3347,
0.5686


 65.7665, 0.3347,
0.5686


445.5413, 0.3362,
0.4513


 48.0829, 0.3303,
0.5945

 113.1511, 0.3383,
0.5280


 33.8925, 0.3227,
0.6252

 143.6209, 0.3388,
0.5121

 22.8110, 0.3097,
0.6612


 179.1216, 0.3388,
0.4983

 14.4540, 0.2906,
0.7094

 220.0375, 0.3385,
0.4864

 8.4371, 0.2517,
0.7483

 266.7530, 0.3380,
0.4760

 4.3759, 0.1963,
0.8037

 319.6526, 0.3375,

 1.8860, 0.0000,

0.4668

1.0000

379.1205, 0.3369,
0.4586

■ 0.5399, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7665, 0.3347,
0.5686

■ 65.7665, 0.3347,
0.5686

■ 65.1065, 0.3307,
0.5756


■ 66.8667, 0.3392,
0.5544


■ 68.1924, 0.3416,
0.5343


■ 69.7666, 0.3419,
0.5092


■ 71.6066, 0.3402,
0.4807

 73.7277, 0.3368,
0.4504

 76.1440, 0.3322,
0.4198

 78.8683, 0.3267,
0.3901

 81.9126, 0.3207,
0.3620

 85.2882, 0.3145,
0.3360

Harmonies

Analogous

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



65.7665, 0.4416, 0.5179



65.7665, 0.3347, 0.5686



65.7665, 0.2280, 0.5057

Triad

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



65.7665, 0.3347, 0.5686



65.7665, 0.1255, 0.1729



65.7665, 0.4946, 0.2772

Complementary

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



65.7665, 0.3347, 0.5686



11.8729, 0.2155, 0.0986

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.



65.7665, 0.3689, 0.2137



65.7665, 0.3347, 0.5686



65.7665, 0.1653, 0.1566

Square

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



65.7665, 0.3347, 0.5686



65.7665, 0.1196, 0.2321



65.7665, 0.2462, 0.1714



65.7665, 0.5537, 0.3505

Rectangle

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



65.7665, 0.3347, 0.5686



65.7665, 0.1716, 0.4053



65.7665, 0.2462, 0.1714



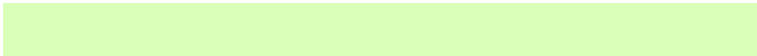
65.7665, 0.4569, 0.2544

Sweetspot

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



65.7693, 0.3347, 0.5686



89.6724, 0.3296, 0.4054



35.8378, 0.5204, 0.4198



18.9091, 0.3319, 0.4185



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.



65.7693, 0.3347, 0.5686



75.3909, 0.3305, 0.5758



61.9235, 0.2996, 0.5932



18.0156, 0.3186, 0.3529



36.0538, 0.3319, 0.5747



3.0579, 0.3420, 0.5667

Inverse Universe

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



11.8729, 0.2155, 0.0986



12.5151, 0.2077, 0.0918



24.5576, 0.3288, 0.1605



15.6461, 0.3064, 0.3052



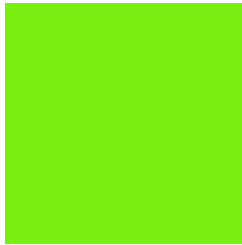
6.0652, 0.2096, 0.0928



0.5637, 0.2233, 0.1004

Previews

White Background



This preview shows how the Yxy color 65.7665, 0.3347, 0.5686 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 65.7665, 0.3347, 0.5686 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 65.7665, 0.3347, 0.5686

Background



This preview shows how black text looks on a background with the Yxy color 65.7665, 0.3347, 0.5686.



This preview shows how white text looks on a background with the Yxy color 65.7665, 0.3347, 0.5686.

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

65.7665, 0.3347, 0.5686

Protanopia

64.5931, 0.4403, 0.4886

Deuteranopia

64.6052, 0.4250, 0.4216



Tritanopia

65.2092, 0.2583, 0.3074

Trichromacy



Original Color

65.7665, 0.3347, 0.5686



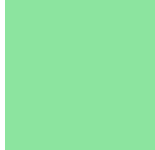
Protanomaly

63.1954, 0.3973, 0.5216



Deuteranomaly

62.2445, 0.3944, 0.4808



Tritanomaly

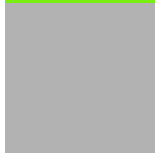
63.5655, 0.2966, 0.4207

Monochromacy



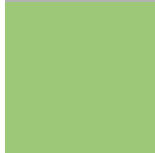
Original Color

65.7665, 0.3347, 0.5686



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.8086, 0.3360, 0.4417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7665, 0.3347, 0.5686 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(120, 239, 17)` looks like.

```
.text, #text, p{  
    color:rgb(120, 239, 17)  
}
```

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(120, 239, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 239, 17) }
```

Border

The CSS property to change the border of an element to Yxy 65.7665, 0.3347, 0.5686 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(120, 239, 17) }
```

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

```
.border{ border-color:rgb(120, 239, 17) }
```

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

Here you see how a box with a 4 pixel rgb(120, 239, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 239, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 239, 17);  
box-shadow:4px 4px 4px 4px rgb(120, 239,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7665, 0.3347, 0.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 239, 17) }
```

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

```
.background{ background-color: rgb(120,  
239, 17) }
```

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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