

Converting Colors

$Yxy(66.0122, 0.3148, 0.5372)$

Have a look what the booklet for
Yxy(66.0122, 0.3148, 0.5372)
contains.

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Color

Yxy(66.0105, 0.3148, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	6BF04F
RGB	107, 240, 79
RGB Percent	42%, 94%, 31%
CMY	0.5801, 0.0588, 0.6904
CMYK	0.55, 0.00, 0.67, 0.06
HSL	110°, 84%, 63%
HSV	110°, 67%, 94%
XYZ	38.6391, 66.0105, 18.0921
YIQ	181.8790, -27.5870, -78.2670

Conversions

Conversions Part 2

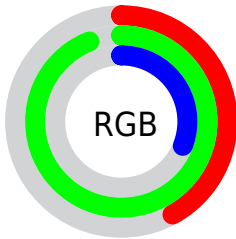
Format	Color
R _Y B	79, 240, 212
Decimal	7073871
CIE Lab	85.00, -64.96, 64.19
CIE LCh	85, 91.321, 135.341
Yxy	66.0105, 0.3148, 0.5378
Android (android.graphics.Color)	4285263951 (0xFF6BF04F)
YUV	181.8790, -50.7193, -65.6689
Hunter-Lab	81.2468, -57.2916, 43.6700

Details

The Yxy color **66.0105, 0.3148, 0.5378** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **25.8569, 0.2916, 0.1652**, and the grayscale version is **47.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7043, 0.3248, 0.4698**, and **34.1583, 0.3043, 0.5937** is the 20% darker color. If you saturate the color by 10%, you get **64.6335, 0.3123, 0.5638**, and if you desaturate by 10%, it is **67.8004, 0.3164, 0.5067**.

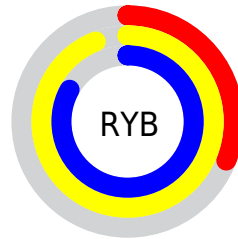
Distribution



Red (42%)

Green (94%)

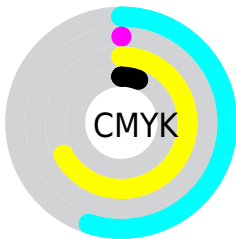
Blue (31%)



Red (31%)

Yellow (94%)

Blue (83%)

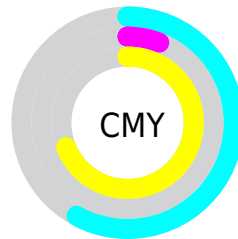


Cyan (55%)

Magenta (0%)

Yellow (67%)

Black (6%)



Cyan (58%)


Magenta (6%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0105, 0.3148, 0.5378 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 66.0105, 0.3148, 0.5378 by changing the saturation by 10% instead.


 66.0105, 0.3148,
0.5378


 66.0105, 0.3148,
0.5378


446.4144, 0.3214,
0.4327

 48.2809, 0.3108,
0.5628


 113.5014, 0.3190,
0.5002


 34.0494, 0.3043,
0.5937


 144.0315, 0.3201,
0.4859

 22.9316, 0.2937,
0.6322


 179.5973, 0.3207,
0.4737

 14.5430, 0.2760,
0.6802

 220.5831, 0.3211,
0.4632

 8.4993, 0.2495,
0.7505

 267.3733, 0.3214,
0.4540

 4.4160, 0.1938,
0.8062

320.3523, 0.3215,

 1.9089, 0.0000,

0.4460

1.0000

379.9046, 0.3215,
0.4390

■ 0.5537, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.0105, 0.3148,
0.5378

■ 66.0105, 0.3148,
0.5378

■ 64.6335, 0.3123,
0.5638

■ 67.8004, 0.3164,
0.5067

■ 63.6273, 0.3092,
0.5828

■ 70.0248, 0.3171,
0.4728


■ 62.9543, 0.3057,
0.5939

■ 72.7133, 0.3171,
0.4385


■ 62.8096, 0.3048,
0.5962

■ 75.8906, 0.3164,
0.4055

 79.5797, 0.3153,
0.3747

 83.8020, 0.3138,
0.3469

 88.5778, 0.3122,
0.3221

 90.7996, 0.3134,
0.3146

Harmonies

Analogous

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



66.0105, 0.4144, 0.5175



66.0105, 0.3148, 0.5378



66.0105, 0.2196, 0.4563

Triad

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



66.0105, 0.3148, 0.5378



66.0105, 0.1458, 0.1806



66.0105, 0.4935, 0.2987

Complementary

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



66.0105, 0.3148, 0.5378



25.8569, 0.2916, 0.1652

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.



66.0105, 0.3905, 0.2360



66.0105, 0.3148, 0.5378



66.0105, 0.1916, 0.1714

Square

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



66.0105, 0.3148, 0.5378



66.0105, 0.1336, 0.2269



66.0105, 0.2756, 0.1911



66.0105, 0.5310, 0.3698

Rectangle

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



66.0105, 0.3148, 0.5378



66.0105, 0.1726, 0.3667



66.0105, 0.2756, 0.1911



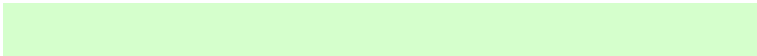
66.0105, 0.4643, 0.2765

Sweetspot

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



66.0133, 0.3148, 0.5378



90.0112, 0.3156, 0.3835



65.4166, 0.4239, 0.4583



19.0083, 0.3160, 0.3922



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.



66.0133, 0.3148, 0.5378



73.6453, 0.3111, 0.5727



65.5903, 0.2830, 0.4832



17.7890, 0.3142, 0.3532



34.4229, 0.3055, 0.5956



2.9012, 0.3132, 0.5895

Inverse Universe

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



25.8569, 0.2916, 0.1652



24.4225, 0.2851, 0.1441



27.7846, 0.3782, 0.2193



15.8837, 0.3110, 0.3055



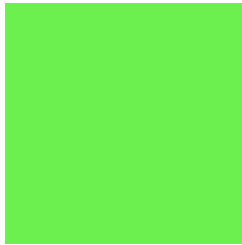
10.0761, 0.2771, 0.1300



0.8745, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 66.0105, 0.3148, 0.5378 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 66.0105, 0.3148, 0.5378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

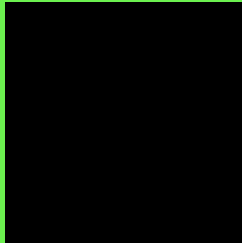
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.0105, 0.3148, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 66.0105, 0.3148, 0.5378.

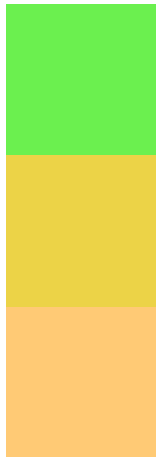


This preview shows how white text looks on a background with the Yxy color 66.0105, 0.3148, 0.5378.

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

66.0105, 0.3148, 0.5378

Protanopia

64.8763, 0.4238, 0.4658

Deuteranopia

64.7854, 0.4197, 0.4147



Tritanopia

65.2976, 0.2517, 0.3072

Trichromacy



Original Color

66.0105, 0.3148, 0.5378



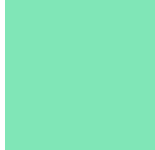
Protanomaly

63.5558, 0.3774, 0.4962



Deuteranomaly

62.5085, 0.3762, 0.4603



Tritanomaly

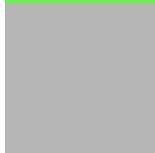
64.6017, 0.2769, 0.3910

Monochromacy



Original Color

66.0105, 0.3148, 0.5378



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.7248, 0.3164, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0105, 0.3148, 0.5378 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(107, 240, 79)` looks like.

```
.text, #text, p{  
    color:rgb(107, 240, 79)  
}
```

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(107, 240, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 240, 79) }
```

Border

The CSS property to change the border of an element to Yxy 66.0105, 0.3148, 0.5378 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(107, 240, 79) }
```

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

```
.border{ border-color:rgb(107, 240, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 240, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 240, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 240, 79);  
box-shadow:4px 4px 4px 4px rgb(107, 240,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0105, 0.3148, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 240, 79) }
```

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

```
.background{ background-color: rgb(107,  
240, 79) }
```

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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