

Converting Colors

$Yxy(65.9022, 0.3001, 0.5112)$

Have a look what the booklet for
Yxy(65.9022, 0.3001, 0.5112)
contains.

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Color

Yxy(65.9022, 0.3001, 0.5112)

Conversions

Conversions Part 1

Format	Color
Hex	61F06A
RGB	97, 240, 106
RGB Percent	38%, 94%, 42%
CMY	0.6199, 0.0588, 0.5842
CMYK	0.60, 0.00, 0.56, 0.06
HSL	124°, 83%, 66%
HSV	124°, 60%, 94%
XYZ	38.6879, 65.9022, 24.3266
YIQ	181.9670, -42.2140, -71.9900

Conversions

Conversions Part 2

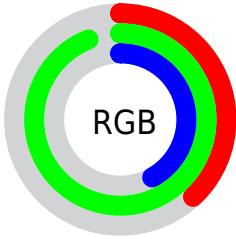
Format	Color
RYB	97, 232, 240
Decimal	6418538
CIELab	84.95, -64.56, 52.69
CIELCh	85, 83.332, 140.783
Yxy	65.9022, 0.3001, 0.5112
Android (android.graphics.Color)	4284608618 (0xFF61F06A)
YUV	181.9670, -37.4517, -74.5161
Hunter-Lab	81.1802, -56.9979, 39.0592

Details

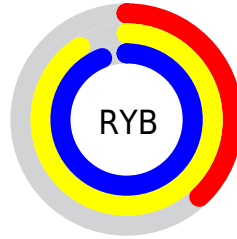
The Yxy color **65.9022, 0.3001, 0.5112** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **32.8292, 0.3282, 0.1972**, and the grayscale version is **46.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5316, 0.3074, 0.4428**, and **34.1149, 0.2898, 0.5632** is the 20% darker color. If you saturate the color by 10%, you get **64.3728, 0.2989, 0.5422**, and if you desaturate by 10%, it is **67.9581, 0.3018, 0.4773**.

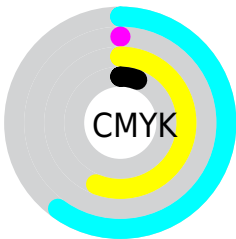
Distribution



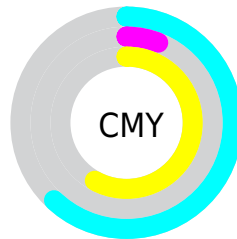
- Red (38%)
- Green (94%)
- Blue (42%)



- Red (38%)
- Yellow (91%)
- Blue (94%)



- Cyan (60%)
- Magenta (0%)
- Yellow (56%)
- Black (6%)





- Cyan (62%)
- Magenta (6%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9022, 0.3001, 0.5112 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 65.9022, 0.3001, 0.5112 by changing the saturation by 10% instead.


 65.9022, 0.3001,
0.5112

 65.9022, 0.3001,
0.5112


446.0270, 0.3114,
0.4186


 48.1930, 0.2958,
0.5340


 113.3460, 0.3053,
0.4776


 33.9798, 0.2895,
0.5627

 143.8493, 0.3070,
0.4649

 22.8781, 0.2798,
0.5997


 179.3862, 0.3082,
0.4542

 14.5035, 0.2643,
0.6482

 220.3410, 0.3091,
0.4450

 8.4717, 0.2394,
0.7159

267.0980, 0.3099,
0.4371

 4.3982, 0.1951,
0.8049

320.0418, 0.3105,

 1.8987, 0.0000,

0.4301

1.0000

379.5567, 0.3110,
0.4240

■ 0.5476, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9022, 0.3001,
0.5112

■ 65.9022, 0.3001,
0.5112

■ 64.3728, 0.2989,
0.5422

■ 67.9581, 0.3018,
0.4773

■ 63.3148, 0.2984,
0.5679


■ 70.5738, 0.3039,
0.4429


■ 62.6753, 0.2986,
0.5863


■ 73.7891, 0.3061,
0.4099

■ 62.3694, 0.2992,
0.5967

■ 77.6380, 0.3084,
0.3795

 62.3608, 0.2992,
0.5970

 82.1519, 0.3107,
0.3522

 87.3604, 0.3128,
0.3281

 90.8055, 0.3134,
0.3146

Harmonies

Analogous

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



65.9022, 0.3940, 0.5120



65.9022, 0.3001, 0.5112



65.9022, 0.2144, 0.4230

Triad

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



65.9022, 0.3001, 0.5112



65.9022, 0.1620, 0.1872



65.9022, 0.4898, 0.3144

Complementary

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



65.9022, 0.3001, 0.5112



32.8292, 0.3282, 0.1972

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.



65.9022, 0.4038, 0.2527



65.9022, 0.3001, 0.5112



65.9022, 0.2120, 0.1831

Square

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



65.9022, 0.3001, 0.5112



65.9022, 0.1450, 0.2247



65.9022, 0.2970, 0.2063



65.9022, 0.5131, 0.3831

Rectangle

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



65.9022, 0.3001, 0.5112



65.9022, 0.1744, 0.3428



65.9022, 0.2970, 0.2063



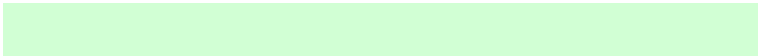
65.9022, 0.4667, 0.2928

Sweetspot

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



65.9049, 0.3001, 0.5112



89.8444, 0.3088, 0.3750



80.4868, 0.3918, 0.4716



18.9305, 0.3081, 0.3835



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.



65.9049, 0.3001, 0.5112



73.5005, 0.2987, 0.5496



67.9834, 0.2683, 0.4156



17.6727, 0.3107, 0.3518



34.1408, 0.2989, 0.5960



2.8459, 0.2960, 0.5855

Inverse Universe

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



32.8292, 0.3282, 0.1972



32.3080, 0.3316, 0.1793



29.6494, 0.4114, 0.2613



16.0130, 0.3148, 0.3072



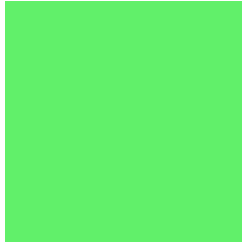
13.1166, 0.3375, 0.1633



1.0964, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 65.9022, 0.3001, 0.5112 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 65.9022, 0.3001, 0.5112 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 65.9022, 0.3001, 0.5112

Background



This preview shows how black text looks on a background with the Yxy color 65.9022, 0.3001, 0.5112.

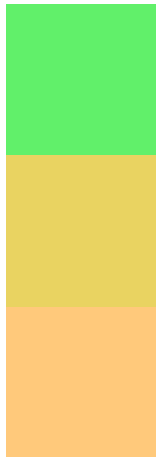


This preview shows how white text looks on a background with the Yxy color 65.9022, 0.3001, 0.5112.

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

65.9022, 0.3001, 0.5112

Protanopia

64.7752, 0.4086, 0.4482

Deuteranopia

64.4633, 0.4161, 0.4083



Tritanopia

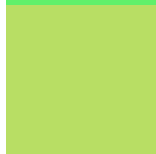
65.7497, 0.2470, 0.3071

Trichromacy



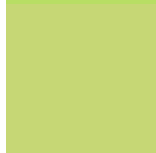
Original Color

65.9022, 0.3001, 0.5112



Protanomaly

63.3530, 0.3615, 0.4753



Deuteranomaly

61.8910, 0.3660, 0.4459



Tritanomaly

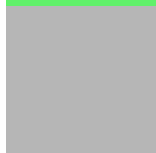
64.9688, 0.2669, 0.3776

Monochromacy



Original Color

65.9022, 0.3001, 0.5112



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.6243, 0.3073, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9022, 0.3001, 0.5112 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(97, 240, 106)` looks like.

```
.text, #text, p{  
    color:rgb(97, 240, 106)  
}
```

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(97, 240, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 240, 106) }
```

Border

The CSS property to change the border of an element to Yxy 65.9022, 0.3001, 0.5112 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(97, 240, 106) }
```

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

```
.border{ border-color:rgb(97, 240, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 240, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 240, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 240, 106);  
box-shadow:4px 4px 4px 4px rgb(97, 240,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9022, 0.3001, 0.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 240, 106) }
```

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

```
.background{ background-color: rgb(97, 240,  
106) }
```

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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