

Converting Colors

$Yxy(69.9291, 0.3068, 0.5371)$

Have a look what the booklet for
Yxy(69.9291, 0.3068, 0.5371)
contains.

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Color

Yxy(69.6964, 0.3065, 0.5367)

Conversions

Conversions Part 1

Format	Color
Hex	60F757
RGB	96, 247, 87
RGB Percent	38%, 97%, 34%
CMY	0.6236, 0.0313, 0.6590
CMYK	0.61, 0.00, 0.65, 0.03
HSL	117°, 91%, 65%
HSV	117°, 65%, 97%
XYZ	39.8024, 69.6964, 20.3622
YIQ	183.6110, -38.6360, -81.7720

Conversions

Conversions Part 2

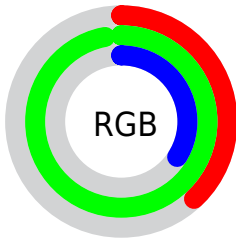
Format	Color
RYB	87, 247, 238
Decimal	6354775
CIELab	86.85, -69.23, 62.95
CIElCh	87, 93.574, 137.720
Yxy	69.6964, 0.3065, 0.5367
Android (android.graphics.Color)	4284544855 (0xFF60F757)
YUV	183.6110, -47.6292, -76.8348
Hunter-Lab	83.4844, -60.9952, 43.9780

Details

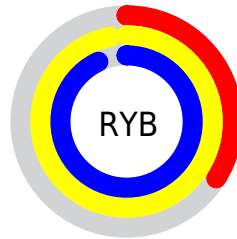
The Yxy color **69.6964, 0.3065, 0.5367** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **31.6995, 0.3109, 0.1777**, and the grayscale version is **47.9877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9768, 0.3157, 0.4630**, and **36.4611, 0.2973, 0.5904** is the 20% darker color. If you saturate the color by 10%, you get **68.2804, 0.3047, 0.5644**, and if you desaturate by 10%, it is **71.6309, 0.3081, 0.5038**.

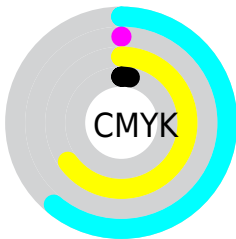
Distribution



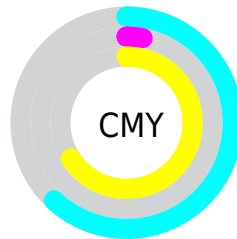
- Red (38%)
- Green (97%)
- Blue (34%)



- Red (34%)
- Yellow (97%)
- Blue (93%)



- Cyan (61%)
- Magenta (0%)
- Yellow (65%)
- Black (3%)




- Cyan (62%)
- Magenta (3%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6964, 0.3065, 0.5367 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 69.6964, 0.3065, 0.5367 by changing the saturation by 10% instead.


 69.6964, 0.3065,
0.5367


 69.6964, 0.3065,
0.5367


459.4833, 0.3167,
0.4325


 51.2791, 0.3019,
0.5615


 118.7757, 0.3118,
0.4994

 36.4307, 0.2949,
0.5923


 150.2065, 0.3133,
0.4852

 24.7671, 0.2840,
0.6308


 186.7438, 0.3144,
0.4731

 15.9036, 0.2663,
0.6792

 228.7721, 0.3152,
0.4627

 9.4560, 0.2420,
0.7548

276.6759, 0.3158,
0.4536

 5.0398, 0.1884,
0.8116

330.8394, 0.3162,

 2.2706, 0.0351,

0.4457

0.9649

391.6470, 0.3165,
0.4387

0.7581, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.6964, 0.3065,
0.5367

69.6964, 0.3065,
0.5367

68.2804, 0.3047,
0.5644

71.6309, 0.3081,
0.5038

67.3251, 0.3030,
0.5846

74.1178, 0.3096,
0.4683

66.7749, 0.3014,
0.5961

77.1984, 0.3107,
0.4329

66.6186, 0.3009,
0.5993

80.9075, 0.3116,
0.3992

 85.2772, 0.3122,
0.3684

 90.3376, 0.3126,
0.3410

 95.0058, 0.3131,
0.3214

Harmonies

Analogous

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



69.6964, 0.4072, 0.5228



69.6964, 0.3065, 0.5367



69.6964, 0.2125, 0.4470

Triad

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



69.6964, 0.3065, 0.5367



69.6964, 0.1474, 0.1780



69.6964, 0.5004, 0.3039

Complementary

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



69.6964, 0.3065, 0.5367



31.6995, 0.3109, 0.1777

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.



69.6964, 0.4004, 0.2400



69.6964, 0.3065, 0.5367



69.6964, 0.1962, 0.1712

Square

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



69.6964, 0.3065, 0.5367



69.6964, 0.1326, 0.2209



69.6964, 0.2837, 0.1931



69.6964, 0.5317, 0.3756

Rectangle

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



69.6964, 0.3065, 0.5367



69.6964, 0.1675, 0.3562



69.6964, 0.2837, 0.1931



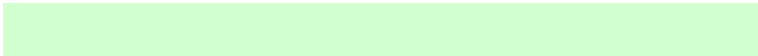
69.6964, 0.4729, 0.2814

Sweetspot

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



69.6993, 0.3065, 0.5367



89.5996, 0.3119, 0.3811



80.6481, 0.4087, 0.4697



18.8930, 0.3118, 0.3900



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.



69.6993, 0.3065, 0.5367



73.0111, 0.3041, 0.5721



70.9610, 0.2749, 0.4514



18.5166, 0.3124, 0.3534



35.2488, 0.3012, 0.5991



3.1134, 0.3042, 0.5967

Inverse Universe

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



31.6995, 0.3109, 0.1777



29.2522, 0.3095, 0.1597



29.7858, 0.3994, 0.2390



16.7179, 0.3129, 0.3056



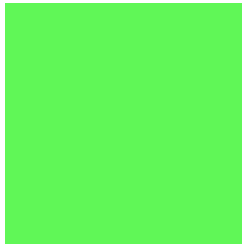
12.7410, 0.3068, 0.1464



1.1341, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 69.6964, 0.3065, 0.5367 looks on a white background.

Color Contrast Check

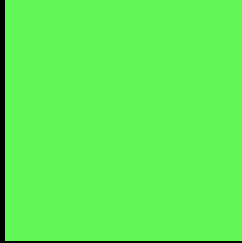
Large Text (above 18pt) WCAG AA × Fail

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 69.6964, 0.3065, 0.5367 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

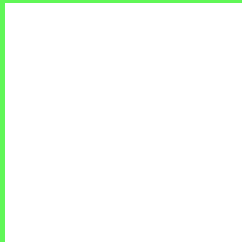
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6964, 0.3065, 0.5367

Background



This preview shows how black text looks on a background with the Yxy color 69.6964, 0.3065, 0.5367.

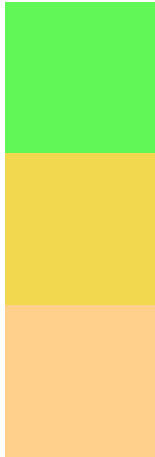


This preview shows how white text looks on a background with the Yxy color 69.6964, 0.3065, 0.5367.

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

69.6964, 0.3065, 0.5367

Protanopia

68.3626, 0.4212, 0.4629

Deuteranopia

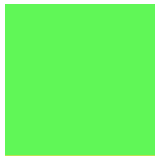
68.2652, 0.4004, 0.3988



Tritanopia

69.1223, 0.2467, 0.3063

Trichromacy



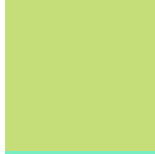
Original Color

69.6964, 0.3065, 0.5367



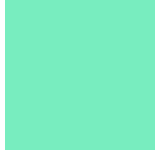
Protanomaly

66.2236, 0.3712, 0.4947



Deuteranomaly

65.4933, 0.3601, 0.4484



Tritanomaly

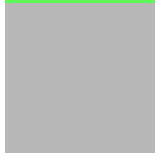
68.3230, 0.2699, 0.3888

Monochromacy



Original Color

69.6964, 0.3065, 0.5367



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.4710, 0.3111, 0.4089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6964, 0.3065, 0.5367 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(96, 247, 87)` looks like.

```
.text, #text, p{  
    color:rgb(96, 247, 87)  
}
```

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(96, 247, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 247, 87) }
```

Border

The CSS property to change the border of an element to Yxy 69.6964, 0.3065, 0.5367 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(96, 247, 87) }
```

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

```
.border{ border-color:rgb(96, 247, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 247, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 247, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 247, 87);  
box-shadow:4px 4px 4px 4px rgb(96, 247,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6964, 0.3065, 0.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 247, 87) }
```

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

```
.background{ background-color: rgb(96, 247,  
87) }
```

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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