

Converting Colors

Yxy(68.8015, 0.3030, 0.5143)

Have a look what the booklet for
Yxy(68.8015, 0.3030, 0.5143)
contains.

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Color

Yxy(68.5461, 0.3027, 0.5139)

Conversions

Conversions Part 1

Format	Color
Hex	66F469
RGB	102, 244, 105
RGB Percent	40%, 96%, 41%
CMY	0.6002, 0.0431, 0.5883
CMYK	0.58, 0.00, 0.57, 0.04
HSL	121°, 87%, 68%
HSV	121°, 58%, 96%
XYZ	40.3754, 68.5461, 24.4626
YIQ	185.6960, -40.0130, -73.3330

Conversions

Conversions Part 2

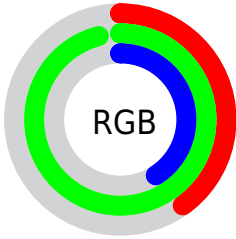
Format	Color
RYB	102, 241, 244
Decimal	6747241
CIELab	86.28, -64.99, 54.76
CIELCh	86, 84.986, 139.885
Yxy	68.5461, 0.3027, 0.5139
Android (android.graphics.Color)	4284937321 (0xFF66F469)
YUV	185.6960, -39.7831, -73.4014
Hunter-Lab	82.7926, -57.8381, 40.4364

Details

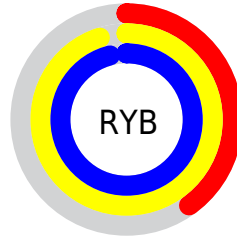
The Yxy color **68.5461, 0.3027, 0.5139** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **35.0781, 0.3220, 0.1950**, and the grayscale version is **49.1614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9506, 0.3097, 0.4420**, and **35.8988, 0.2925, 0.5646** is the 20% darker color. If you saturate the color by 10%, you get **66.9038, 0.3013, 0.5456**, and if you desaturate by 10%, it is **70.7513, 0.3044, 0.4789**.

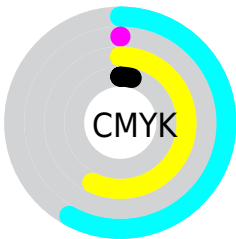
Distribution



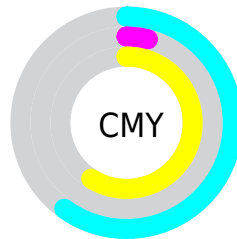
- Red (40%)
- Green (96%)
- Blue (41%)



- Red (40%)
- Yellow (95%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (57%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5461, 0.3027, 0.5139 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 68.5461, 0.3027, 0.5139 by changing the saturation by 10% instead.


 68.5461, 0.3027,
0.5139


 68.5461, 0.3027,
0.5139


455.4285, 0.3129,
0.4206


 50.3421, 0.2986,
0.5366

 117.1330, 0.3076,
0.4803

 35.6853, 0.2926,
0.5650


 148.2848, 0.3091,
0.4675

 24.1913, 0.2833,
0.6014


 184.5213, 0.3102,
0.4567

 15.4756, 0.2683,
0.6486

 226.2269, 0.3110,
0.4474

 9.1538, 0.2443,
0.7133

273.7860, 0.3117,
0.4394

 4.8417, 0.2020,
0.7980


327.5831, 0.3122,


 2.1547, 0.0554,


0.4323


0.9446


388.0024, 0.3126,
0.4261


 0.6951, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.5461, 0.3027,
0.5139


 68.5461, 0.3027,
0.5139

 66.9038, 0.3013,
0.5456

 70.7513, 0.3044,
0.4789


 65.7659, 0.3004,
0.5713


 73.5548, 0.3062,
0.4434


 65.0766, 0.2999,
0.5890


 76.9988, 0.3081,
0.4092

 64.7560, 0.2998,
0.5981

 81.1197, 0.3098,
0.3777

 64.7186, 0.2997,
0.5990

 85.9508, 0.3115,
0.3496

 91.5235, 0.3130,
0.3248

 93.1872, 0.3132,
0.3185

Harmonies

Analogous

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



68.5461, 0.3970, 0.5119



68.5461, 0.3027, 0.5139



68.5461, 0.2160, 0.4272

Triad

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



68.5461, 0.3027, 0.5139



68.5461, 0.1603, 0.1870



68.5461, 0.4891, 0.3122

Complementary

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



68.5461, 0.3027, 0.5139



35.0781, 0.3220, 0.1950

Split Complementary

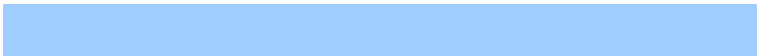
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5461, 0.4012, 0.2506



68.5461, 0.3027, 0.5139



68.5461, 0.2094, 0.1821

Square

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



68.5461, 0.3027, 0.5139



68.5461, 0.1441, 0.2258



68.5461, 0.2938, 0.2046



68.5461, 0.5145, 0.3810

Rectangle

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



68.5461, 0.3027, 0.5139



68.5461, 0.1750, 0.3463



68.5461, 0.2938, 0.2046



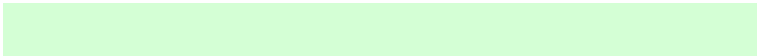
68.5461, 0.4653, 0.2906

Sweetspot

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



68.5490, 0.3027, 0.5139



90.2476, 0.3100, 0.3742



84.4796, 0.3940, 0.4672



19.1031, 0.3097, 0.3802



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.



68.5490, 0.3027, 0.5139



73.6608, 0.3011, 0.5512



70.6382, 0.2711, 0.4199



18.4778, 0.3113, 0.3529



35.1898, 0.2996, 0.5987



3.0948, 0.2987, 0.5953

Inverse Universe

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



35.0781, 0.3220, 0.1950



33.4751, 0.3236, 0.1767



31.6542, 0.4018, 0.2576



16.7618, 0.3141, 0.3062



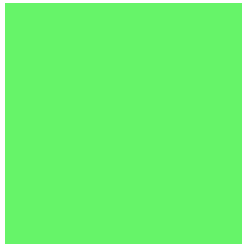
13.8426, 0.3263, 0.1571



1.2185, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 68.5461, 0.3027, 0.5139 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 68.5461, 0.3027, 0.5139 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

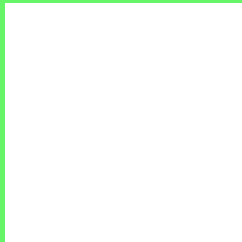
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5461, 0.3027, 0.5139

Background



This preview shows how black text looks on a background with the Yxy color 68.5461, 0.3027, 0.5139.

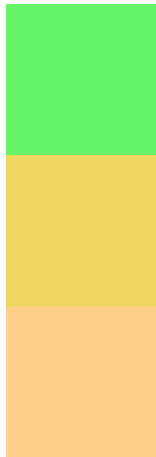


This preview shows how white text looks on a background with the Yxy color 68.5461, 0.3027, 0.5139.

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

68.5461, 0.3027, 0.5139

Protanopia

67.1148, 0.4113, 0.4495

Deuteranopia

67.2376, 0.4028, 0.3988



Tritanopia

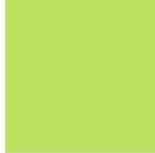
68.0502, 0.2480, 0.3063

Trichromacy



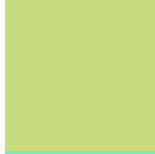
Original Color

68.5461, 0.3027, 0.5139



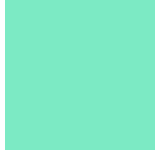
Protanomaly

65.5701, 0.3647, 0.4767



Deuteranomaly

64.8349, 0.3594, 0.4404



Tritanomaly

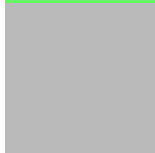
67.1162, 0.2688, 0.3782

Monochromacy



Original Color

68.5461, 0.3027, 0.5139



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.0285, 0.3081, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5461, 0.3027, 0.5139 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(102, 244, 105)` looks like.

```
.text, #text, p{  
    color:rgb(102, 244, 105)  
}
```

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(102, 244, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 244, 105) }
```

Border

The CSS property to change the border of an element to Yxy 68.5461, 0.3027, 0.5139 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(102, 244, 105) }
```

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

```
.border{ border-color:rgb(102, 244, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 244, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 244, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 244, 105);  
box-shadow:4px 4px 4px 4px rgb(102, 244,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5461, 0.3027, 0.5139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 244, 105) }
```

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

```
.background{ background-color: rgb(102,  
244, 105) }
```

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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