

Converting Colors

Yxy(68.1352, 0.3049, 0.4962)

Have a look what the booklet for
Yxy(68.1352, 0.3049, 0.4962)
contains.

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Color

Yxy(67.8614, 0.3054, 0.4963)

Conversions

Conversions Part 1

Format	Color
Hex	74F173
RGB	116, 241, 115
RGB Percent	45%, 95%, 45%
CMY	0.5448, 0.0549, 0.5490
CMYK	0.52, 0.00, 0.52, 0.05
HSL	119°, 82%, 70%
HSV	119°, 52%, 95%
XYZ	41.7588, 67.8614, 27.1145
YIQ	189.2610, -34.0540, -65.6860

Conversions

Conversions Part 2

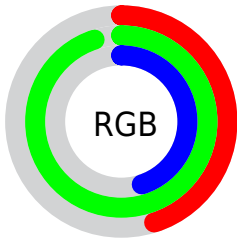
Format	Color
RYB	115, 241, 240
Decimal	7663987
CIELab	85.94, -59.28, 49.93
CIELCh	86, 77.500, 139.894
Yxy	67.8614, 0.3054, 0.4963
Android (android.graphics.Color)	4285854067 (0xFF74F173)
YUV	189.2610, -36.6107, -64.2499
Hunter-Lab	82.3780, -53.6770, 38.1495

Details

The Yxy color **67.8614, 0.3054, 0.4963** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.1221, 0.3176, 0.2036**, and the grayscale version is **51.2853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6147, 0.3121, 0.4290**, and **35.3069, 0.2974, 0.5433** is the 20% darker color. If you saturate the color by 10%, you get **65.9467, 0.3038, 0.5304**, and if you desaturate by 10%, it is **70.3479, 0.3070, 0.4603**.

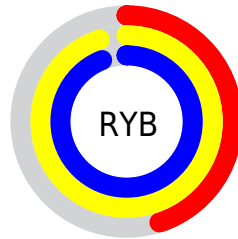
Distribution



Red (45%)

Green (95%)

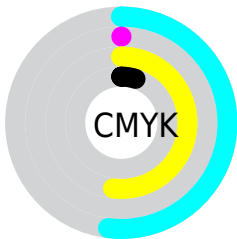
Blue (45%)



Red (45%)

Yellow (95%)

Blue (94%)

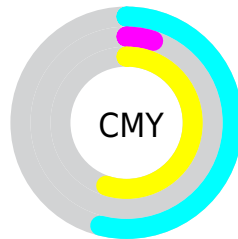


Cyan (52%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (54%)


Magenta (5%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8614, 0.3054, 0.4963 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 67.8614, 0.3054, 0.4963 by changing the saturation by 10% instead.


 67.8614, 0.3054,
0.4963


 67.8614, 0.3054,
0.4963


453.0048, 0.3133,
0.4120


 49.7850, 0.3022,
0.5169


 116.1538, 0.3092,
0.4659

 35.2426, 0.2973,
0.5429


 147.1387, 0.3104,
0.4544

 23.8498, 0.2898,
0.5763


 183.1951, 0.3113,
0.4446

 15.2222, 0.2776,
0.6204

224.7075, 0.3119,
0.4362

 8.9755, 0.2567,
0.6796

272.0602, 0.3124,
0.4290

 4.7252, 0.2239,
0.7761

325.6378, 0.3128,

 2.0870, 0.0992,

0.4226

0.9008

385.8245, 0.3131,
0.4170

0.6573, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.8614, 0.3054,
0.4963

67.8614, 0.3054,
0.4963

65.9467, 0.3038,
0.5304

70.3479, 0.3070,
0.4603

64.5507, 0.3023,
0.5598


73.4374, 0.3086,
0.4247

63.6250, 0.3012,
0.5818

77.1690, 0.3101,
0.3914

63.1083, 0.3004,
0.5949

81.5761, 0.3114,
0.3613

 62.9220, 0.3001,
0.5999

 86.6895, 0.3125,
0.3346

 91.3887, 0.3133,
0.3156

Harmonies

Analogous

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



67.8614, 0.3932, 0.4981



67.8614, 0.3054, 0.4963



67.8614, 0.2243, 0.4182

Triad

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



67.8614, 0.3054, 0.4963



67.8614, 0.1704, 0.1970



67.8614, 0.4744, 0.3150

Complementary

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



67.8614, 0.3054, 0.4963



37.1221, 0.3176, 0.2036

Split Complementary

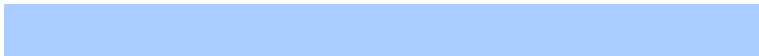
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8614, 0.3942, 0.2565



67.8614, 0.3054, 0.4963



67.8614, 0.2171, 0.1918

Square

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



67.8614, 0.3054, 0.4963



67.8614, 0.1552, 0.2344



67.8614, 0.2959, 0.2130



67.8614, 0.4992, 0.3803

Rectangle

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



67.8614, 0.3054, 0.4963



67.8614, 0.1854, 0.3458



67.8614, 0.2959, 0.2130



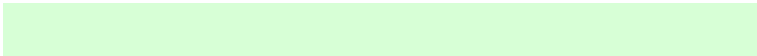
67.8614, 0.4525, 0.2944

Sweetspot

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



67.8642, 0.3054, 0.4963



90.7641, 0.3109, 0.3722



81.6105, 0.3898, 0.4532



19.2052, 0.3106, 0.3784



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.



67.8642, 0.3054, 0.4963



74.8062, 0.3036, 0.5333



69.6836, 0.2758, 0.4146



17.6628, 0.3117, 0.3534



34.1251, 0.3002, 0.5999



2.8411, 0.3007, 0.5995

Inverse Universe

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



37.1221, 0.3176, 0.2036



36.2883, 0.3182, 0.1838



34.2595, 0.3835, 0.2594



16.0241, 0.3137, 0.3057



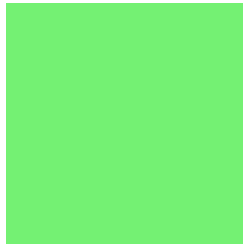
13.3928, 0.3188, 0.1530



1.1164, 0.3191, 0.1531

Previews

White Background



This preview shows how the Yxy color 67.8614, 0.3054, 0.4963 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 67.8614, 0.3054, 0.4963 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

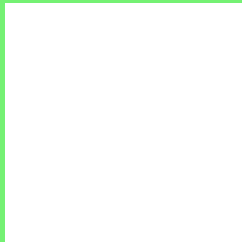
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8614, 0.3054, 0.4963

Background



This preview shows how black text looks on a background with the Yxy color 67.8614, 0.3054, 0.4963.

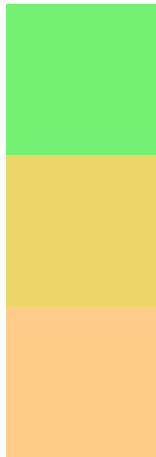


This preview shows how white text looks on a background with the Yxy color 67.8614, 0.3054, 0.4963.

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

67.8614, 0.3054, 0.4963

Protanopia

66.9666, 0.4041, 0.4419

Deuteranopia

66.7288, 0.4040, 0.3989



Tritanopia

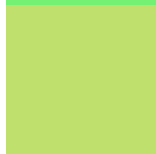
67.4600, 0.2527, 0.3075

Trichromacy



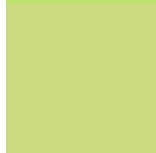
Original Color

67.8614, 0.3054, 0.4963



Protanomaly

65.6219, 0.3622, 0.4647



Deuteranomaly

64.5652, 0.3623, 0.4336



Tritanomaly

66.8588, 0.2723, 0.3725

Monochromacy



Original Color

67.8614, 0.3054, 0.4963



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.4018, 0.3098, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8614, 0.3054, 0.4963 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(116, 241, 115)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 115)  
}
```

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(116, 241, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 115) }
```

Border

The CSS property to change the border of an element to Yxy 67.8614, 0.3054, 0.4963 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(116, 241, 115) }
```

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

```
.border{ border-color:rgb(116, 241, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 115);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8614, 0.3054, 0.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 115) }
```

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

```
.background{ background-color: rgb(116,  
241, 115) }
```

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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