

Converting Colors

$Yxy(73.8335, 0.3074, 0.5607)$

Have a look what the booklet for
Yxy(73.8335, 0.3074, 0.5607)
contains.

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Color

Yxy(73.8565, 0.3074, 0.5603)

Conversions

Conversions Part 1

Format	Color
Hex	55FF43
RGB	85, 255, 67
RGB Percent	33%, 100%, 26%
CMY	0.6667, 0.0000, 0.7370
CMYK	0.67, 0.00, 0.74, 0.00
HSL	114°, 100%, 63%
HSV	114°, 74%, 100%
XYZ	40.5202, 73.8565, 17.4393
YIQ	182.7380, -40.9720, -94.5080

Conversions

Conversions Part 2

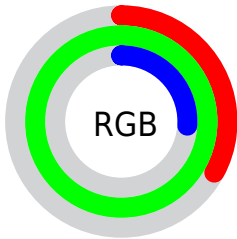
Format	Color
RYB	67, 255, 237
Decimal	5635907
CIELab	88.85, -75.65, 72.17
CIELCh	89, 104.552, 136.348
Yxy	73.8565, 0.3074, 0.5603
Android (android.graphics.Color)	4283825987 (0xFF55FF43)
YUV	182.7380, -57.0588, -85.7162
Hunter-Lab	85.9398, -66.2327, 48.1265

Details

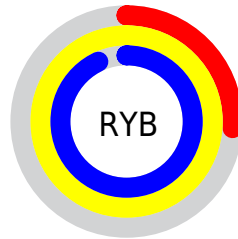
The Yxy color **73.8565, 0.3074, 0.5603** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **29.2589, 0.3029, 0.1611**, and the grayscale version is **47.5407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8964, 0.3201, 0.4839**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.7058, 0.3051, 0.5815**, and if you desaturate by 10%, it is **75.4945, 0.3094, 0.5320**.

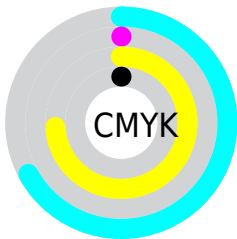
Distribution



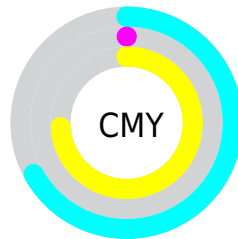
- Red (33%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (93%)



- Cyan (67%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8565, 0.3074, 0.5603 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 73.8565, 0.3074, 0.5603 by changing the saturation by 10% instead.


 73.8565, 0.3074,
0.5603


 73.8565, 0.3074,
0.5603


473.9780, 0.3192,
0.4458


 54.6766, 0.3019,
0.5867


 124.6924, 0.3137,
0.5200

 39.1429, 0.2935,
0.6188


 157.1171, 0.3155,
0.5044


 26.8709, 0.2806,
0.6580


 194.7256, 0.3168,
0.4910

 17.4763, 0.2603,
0.7057

 237.9022, 0.3177,
0.4795

 10.5746, 0.2301,
0.7699

 287.0314, 0.3183,
0.4694

 5.7816, 0.1765,
0.8235

342.4975, 0.3187,

 2.7127, 0.0482,

0.4606

0.9518

404.6849, 0.3190,
0.4528

■ 0.9837, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.8565, 0.3074,
0.5603

■ 73.8565, 0.3074,
0.5603

■ 72.7058, 0.3051,
0.5815

■ 75.4945, 0.3094,
0.5320

■ 71.9862, 0.3029,
0.5943

■ 77.6650, 0.3110,
0.4989


■ 71.7182, 0.3017,
0.5986

■ 80.4095, 0.3121,
0.4637

■ 83.7649, 0.3128,
0.4287

 87.7652, 0.3131,
0.3955

 92.4418, 0.3131,
0.3652

 97.8240, 0.3128,
0.3382

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.8565, 0.4147, 0.5340



73.8565, 0.3074, 0.5603



73.8565, 0.2065, 0.4665

Triad

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



73.8565, 0.3074, 0.5603



73.8565, 0.1349, 0.1680



73.8565, 0.5141, 0.2964

Complementary

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



73.8565, 0.3074, 0.5603



29.2589, 0.3029, 0.1611

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.



73.8565, 0.4019, 0.2302



73.8565, 0.3074, 0.5603



73.8565, 0.1840, 0.1602

Square

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



73.8565, 0.3074, 0.5603



73.8565, 0.1207, 0.2141



73.8565, 0.2752, 0.1820



73.8565, 0.5497, 0.3708

Rectangle

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



73.8565, 0.3074, 0.5603



73.8565, 0.1581, 0.3642



73.8565, 0.2752, 0.1820



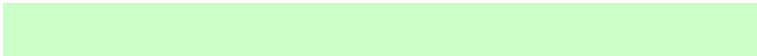
73.8565, 0.4830, 0.2731

Sweetspot

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



73.8569, 0.3074, 0.5603



88.5118, 0.3131, 0.3902



81.7759, 0.4219, 0.4772



18.6923, 0.3131, 0.3988



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.



73.8569, 0.3074, 0.5603



72.3471, 0.3042, 0.5881



74.6757, 0.2764, 0.4803



20.2510, 0.3130, 0.3535



37.5017, 0.3022, 0.5983



3.6779, 0.3065, 0.5948

Inverse Universe

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



29.2589, 0.3029, 0.1611



25.6029, 0.2995, 0.1465



28.5701, 0.4087, 0.2269



18.2071, 0.3123, 0.3055



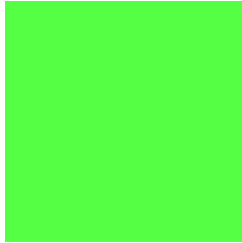
12.6575, 0.2970, 0.1410



1.2570, 0.2999, 0.1426

Previews

White Background



This preview shows how the Yxy color 73.8565, 0.3074, 0.5603 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 73.8565, 0.3074, 0.5603 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

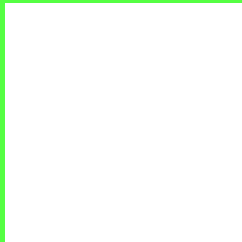
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.8565, 0.3074, 0.5603

Background



This preview shows how black text looks on a background with the Yxy color 73.8565, 0.3074, 0.5603.

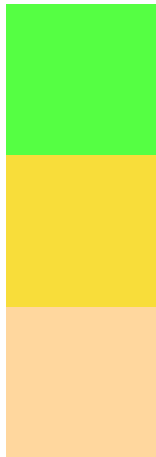


This preview shows how white text looks on a background with the Yxy color 73.8565, 0.3074, 0.5603.

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

73.8565, 0.3074, 0.5603

Protanopia

71.9748, 0.4305, 0.4743

Deuteranopia

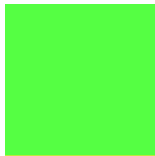
72.3295, 0.3844, 0.3877



Tritanopia

73.2773, 0.2479, 0.3080

Trichromacy



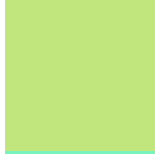
Original Color

73.8565, 0.3074, 0.5603



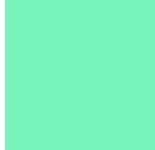
Protanomaly

69.4336, 0.3761, 0.5123



Deuteranomaly

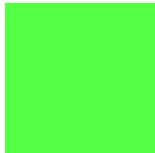
69.4118, 0.3521, 0.4526



Tritanomaly

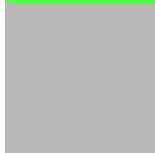
72.2112, 0.2726, 0.4023

Monochromacy



Original Color

73.8565, 0.3074, 0.5603



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.7271, 0.3125, 0.4236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8565, 0.3074, 0.5603 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(85, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 67)  
}
```

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(85, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 67) }
```

Border

The CSS property to change the border of an element to Yxy 73.8565, 0.3074, 0.5603 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(85, 255, 67) }
```

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

```
.border{ border-color:rgb(85, 255, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8565, 0.3074, 0.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 67) }
```

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

```
.background{ background-color: rgb(85, 255,  
67) }
```

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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