

Converting Colors

$Yxy(65.7462, 0.3252, 0.5600)$

Have a look what the booklet for
Yxy(65.7462, 0.3252, 0.5600)
contains.

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Color

Yxy(65.9131, 0.3251, 0.5602)

Conversions

Conversions Part 1

Format	Color
Hex	6FF030
RGB	111, 240, 48
RGB Percent	44%, 94%, 19%
CMY	0.5646, 0.0588, 0.8120
CMYK	0.54, 0.00, 0.80, 0.06
HSL	100°, 86%, 56%
HSV	100°, 80%, 94%
XYZ	38.2512, 65.9131, 13.4956
YIQ	179.5410, -15.2520, -87.0600

Conversions

Conversions Part 2

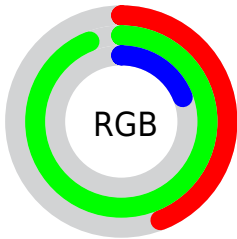
Format	Color
RYB	48, 240, 177
Decimal	7335984
CIELab	84.95, -65.99, 74.34
CIELCh	85, 99.399, 131.594
Yxy	65.9131, 0.3251, 0.5602
Android (android.graphics.Color)	4285526064 (0xFF6FF030)
YUV	179.5410, -64.8497, -60.1105
Hunter-Lab	81.1869, -57.9767, 46.9751

Details

The Yxy color **65.9131, 0.3251, 0.5602** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.7373, 0.2553, 0.1298**, and the grayscale version is **45.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5300, 0.3385, 0.4945**, and **34.2243, 0.3064, 0.5949** is the 20% darker color. If you saturate the color by 10%, you get **64.8155, 0.3208, 0.5770**, and if you desaturate by 10%, it is **67.3120, 0.3279, 0.5369**.

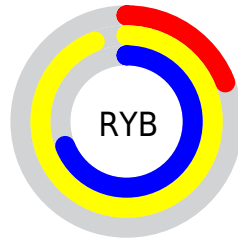
Distribution



Red (44%)

Green (94%)

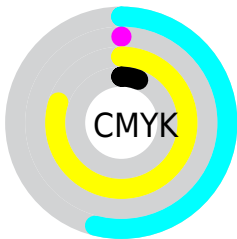
Blue (19%)



Red (19%)

Yellow (94%)

Blue (69%)

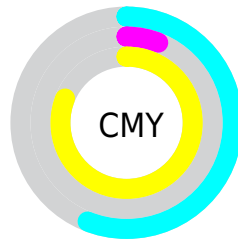


Cyan (54%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (56%)


Magenta (6%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9131, 0.3251, 0.5602 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 65.9131, 0.3251, 0.5602 by changing the saturation by 10% instead.


 65.9131, 0.3251,
0.5602

 65.9131, 0.3251,
0.5602

446.0660, 0.3295,
0.4454

 48.2019, 0.3207,
0.5864


 113.3616, 0.3293,
0.5199

 33.9868, 0.3132,
0.6181


 143.8677, 0.3301,
0.5042

 22.8834, 0.3008,
0.6561


 179.4074, 0.3304,
0.4908

 14.5075, 0.2822,
0.7070

 220.3653, 0.3305,
0.4793

 8.4745, 0.2455,
0.7545

 267.1257, 0.3304,
0.4691

 4.4000, 0.1892,
0.8108

320.0731, 0.3302,

 1.8997, 0.0000,

0.4603

1.0000

379.5917, 0.3298,
0.4524

■ 0.5482, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9131, 0.3251,
0.5602

■ 65.9131, 0.3251,
0.5602

■ 64.8155, 0.3208,
0.5770


■ 67.3120, 0.3279,
0.5369

■ 63.9767, 0.3157,
0.5876


■ 69.0282, 0.3290,
0.5087


■ 71.0861, 0.3285,
0.4774


■ 73.5049, 0.3268,
0.4450

 76.3026, 0.3240,
0.4130

 79.4955, 0.3206,
0.3826

 83.0991, 0.3167,
0.3545

 87.1281, 0.3127,
0.3291

 90.8013, 0.3134,
0.3146

Harmonies

Analogous

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



65.9131, 0.4303, 0.5212



65.9131, 0.3251, 0.5602



65.9131, 0.2221, 0.4863

Triad

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



65.9131, 0.3251, 0.5602



65.9131, 0.1320, 0.1739



65.9131, 0.4981, 0.2859

Complementary

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



65.9131, 0.3251, 0.5602



17.7373, 0.2553, 0.1298

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.



65.9131, 0.3803, 0.2221



65.9131, 0.3251, 0.5602



65.9131, 0.1749, 0.1609

Square

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



65.9131, 0.3251, 0.5602



65.9131, 0.1232, 0.2274



65.9131, 0.2585, 0.1781



65.9131, 0.5475, 0.3589

Rectangle

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



65.9131, 0.3251, 0.5602



65.9131, 0.1694, 0.3879



65.9131, 0.2585, 0.1781



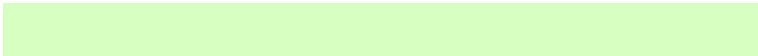
65.9131, 0.4637, 0.2632

Sweetspot

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



65.9159, 0.3251, 0.5602



89.6878, 0.3220, 0.3947



49.7822, 0.4666, 0.4468



18.9195, 0.3232, 0.4056



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.



65.9159, 0.3251, 0.5602



73.7471, 0.3176, 0.5841



63.5267, 0.2931, 0.5504



17.9085, 0.3165, 0.3531



35.0854, 0.3167, 0.5867



2.9708, 0.3267, 0.5788

Inverse Universe

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



17.7373, 0.2553, 0.1298



16.5073, 0.2413, 0.1114



25.1885, 0.3569, 0.1858



15.7561, 0.3085, 0.3054



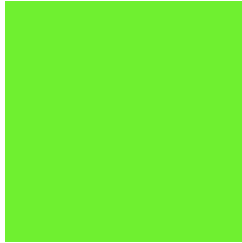
7.6761, 0.2395, 0.1093



0.6924, 0.2504, 0.1153

Previews

White Background



This preview shows how the Yxy color 65.9131, 0.3251, 0.5602 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 65.9131, 0.3251, 0.5602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

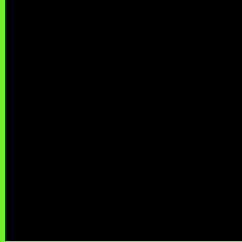
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

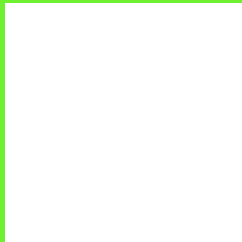
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9131, 0.3251, 0.5602

Background



This preview shows how black text looks on a background with the Yxy color 65.9131, 0.3251, 0.5602.



This preview shows how white text looks on a background with the Yxy color 65.9131, 0.3251, 0.5602.

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

65.9131, 0.3251, 0.5602

Protanopia

64.7463, 0.4348, 0.4804

Deuteranopia

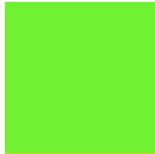
64.6488, 0.4237, 0.4199



Tritanopia

65.7419, 0.2541, 0.3073

Trichromacy



Original Color

65.9131, 0.3251, 0.5602



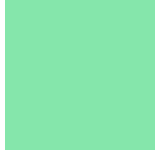
Protanomaly

63.4933, 0.3889, 0.5139



Deuteranomaly

62.5128, 0.3857, 0.4733



Tritanomaly

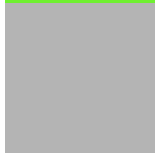
64.5204, 0.2861, 0.4072

Monochromacy



Original Color

65.9131, 0.3251, 0.5602



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.8756, 0.3253, 0.4265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9131, 0.3251, 0.5602 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(111, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(111, 240, 48)  
}
```

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(111, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 240, 48) }
```

Border

The CSS property to change the border of an element to Yxy 65.9131, 0.3251, 0.5602 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(111, 240, 48) }
```

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

```
.border{ border-color:rgb(111, 240, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 240, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(111, 240,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9131, 0.3251, 0.5602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 240, 48) }
```

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

```
.background{ background-color: rgb(111,  
240, 48) }
```

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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