

Converting Colors

Yxy(64.0658, 0.3204, 0.5406)

Have a look what the booklet for
Yxy(64.0658, 0.3204, 0.5406)
contains.

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Color

Yxy(63.9035, 0.3201, 0.5405)

Conversions

Conversions Part 1

Format	Color
Hex	70EC48
RGB	112, 236, 72
RGB Percent	44%, 93%, 28%
CMY	0.5609, 0.0745, 0.7174
CMYK	0.53, 0.00, 0.69, 0.07
HSL	105°, 81%, 60%
HSV	105°, 69%, 93%
XYZ	37.8455, 63.9035, 16.4813
YIQ	180.2280, -21.2600, -77.2920

Conversions

Conversions Part 2

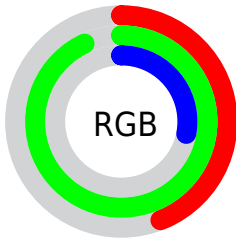
Format	Color
RYB	72, 236, 196
Decimal	7400520
CIELab	83.92, -62.83, 65.68
CIELCh	84, 90.891, 133.728
Yxy	63.9035, 0.3201, 0.5405
Android (android.graphics.Color)	4285590600 (0xFF70EC48)
YUV	180.2280, -53.3564, -59.8360
Hunter-Lab	79.9397, -55.3878, 43.7338

Details

The Yxy color **63.9035, 0.3201, 0.5405** 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 **22.4503, 0.2790, 0.1556**, and the grayscale version is **46.0720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9892, 0.3301, 0.4752**, and **32.7116, 0.3088, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **62.5977, 0.3173, 0.5647**, and if you desaturate by 10%, it is **65.5652, 0.3217, 0.5110**.

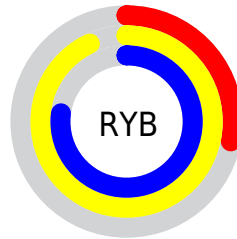
Distribution



Red (44%)

Green (93%)

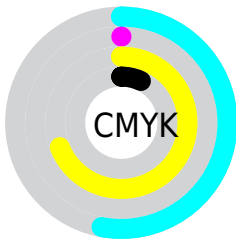
Blue (28%)



Red (28%)

Yellow (93%)

Blue (77%)

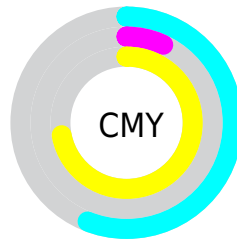


Cyan (53%)

Magenta (0%)

Yellow (69%)

Black (7%)



Cyan (56%)


Magenta (7%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9035, 0.3201, 0.5405 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 63.9035, 0.3201, 0.5405 by changing the saturation by 10% instead.

 63.9035, 0.3201,
0.5405


 63.9035, 0.3201,
0.5405


438.8411, 0.3246,
0.4340

 46.5725, 0.3163,
0.5658

 110.4719, 0.3237,
0.5025


 32.6978, 0.3100,
0.5968


 140.4782, 0.3245,
0.4879


 21.8951, 0.2994,
0.6353


 175.4783, 0.3249,
0.4755

 13.7798, 0.2816,
0.6836

 215.8568, 0.3251,
0.4649

 7.9677, 0.2522,
0.7478

 261.9978, 0.3251,
0.4556

 4.0743, 0.1956,
0.8044

314.2860, 0.3250,

 1.7152, 0.0000,

0.4475

1.0000

373.1056, 0.3248,
0.4403

■ 0.4335, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9035, 0.3201,
0.5405

■ 63.9035, 0.3201,
0.5405

■ 62.5977, 0.3173,
0.5647

■ 65.5652, 0.3217,
0.5110

■ 61.6114, 0.3134,
0.5821


■ 67.5994, 0.3220,
0.4785


■ 60.9092, 0.3091,
0.5925

■ 70.0311, 0.3213,
0.4449


■ 60.8778, 0.3089,
0.5930


■ 72.8810, 0.3198,
0.4122

 76.1680, 0.3177,
0.3813

 79.9099, 0.3152,
0.3531

 84.1237, 0.3126,
0.3277

 88.4411, 0.3135,
0.3107

 88.4750, 0.3136,
0.3107

Harmonies

Analogous

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



63.9035, 0.4198, 0.5152



63.9035, 0.3201, 0.5405



63.9035, 0.2236, 0.4639

Triad

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



63.9035, 0.3201, 0.5405



63.9035, 0.1436, 0.1813



63.9035, 0.4903, 0.2948

Complementary

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



63.9035, 0.3201, 0.5405



22.4503, 0.2790, 0.1556

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.



63.9035, 0.3845, 0.2326



63.9035, 0.3201, 0.5405



63.9035, 0.1875, 0.1704

Square

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



63.9035, 0.3201, 0.5405



63.9035, 0.1331, 0.2301



63.9035, 0.2699, 0.1887



63.9035, 0.5322, 0.3657

Rectangle

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



63.9035, 0.3201, 0.5405



63.9035, 0.1750, 0.3742



63.9035, 0.2699, 0.1887



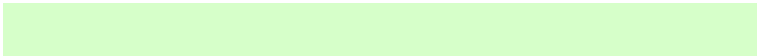
63.9035, 0.4599, 0.2727

Sweetspot

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



63.9062, 0.3201, 0.5405



90.1271, 0.3181, 0.3862



57.3429, 0.4356, 0.4518



19.0521, 0.3187, 0.3946



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.



63.9062, 0.3201, 0.5405



74.1224, 0.3159, 0.5724



62.5687, 0.2874, 0.5043



17.0391, 0.3152, 0.3531



33.6049, 0.3098, 0.5923



2.6825, 0.3193, 0.5847

Inverse Universe

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



22.4503, 0.2790, 0.1556



21.7388, 0.2698, 0.1342



26.4186, 0.3669, 0.2073



15.1184, 0.3099, 0.3055



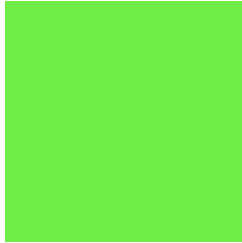
8.6556, 0.2601, 0.1206



0.7237, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 63.9035, 0.3201, 0.5405 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 63.9035, 0.3201, 0.5405 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 63.9035, 0.3201, 0.5405

Background



This preview shows how black text looks on a background with the Yxy color 63.9035, 0.3201, 0.5405.

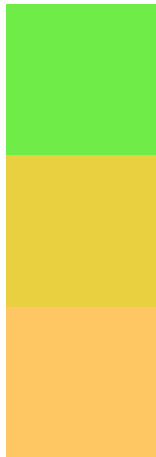


This preview shows how white text looks on a background with the Yxy color 63.9035, 0.3201, 0.5405.

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

63.9035, 0.3201, 0.5405

Protanopia

62.8170, 0.4261, 0.4686

Deuteranopia

62.5683, 0.4333, 0.4254



Tritanopia

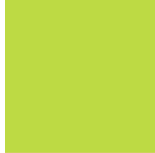
63.1991, 0.2543, 0.3070

Trichromacy



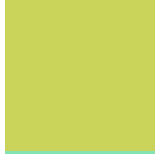
Original Color

63.9035, 0.3201, 0.5405



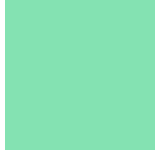
Protanomaly

61.3790, 0.3820, 0.4977



Deuteranomaly

60.5217, 0.3870, 0.4682



Tritanomaly

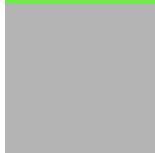
62.5126, 0.2813, 0.3929

Monochromacy



Original Color

63.9035, 0.3201, 0.5405



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.2002, 0.3195, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9035, 0.3201, 0.5405 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(112, 236, 72)` looks like.

```
.text, #text, p{  
    color:rgb(112, 236, 72)  
}
```

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(112, 236, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 236, 72) }
```

Border

The CSS property to change the border of an element to Yxy 63.9035, 0.3201, 0.5405 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(112, 236, 72) }
```

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

```
.border{ border-color:rgb(112, 236, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 236, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 236, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 236, 72);  
box-shadow:4px 4px 4px 4px rgb(112, 236,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9035, 0.3201, 0.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 236, 72) }
```

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

```
.background{ background-color: rgb(112,  
236, 72) }
```

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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