

Converting Colors

Yxy(63.2640, 0.3198, 0.5404)

Have a look what the booklet for
Yxy(63.2640, 0.3198, 0.5404)
contains.

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Color

Yxy(63.2640, 0.3198, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	6FEB48
RGB	111, 235, 72
RGB Percent	44%, 92%, 28%
CMY	0.5645, 0.0784, 0.7177
CMYK	0.53, 0.00, 0.69, 0.08
HSL	106°, 80%, 60%
HSV	106°, 69%, 92%
XYZ	37.4386, 63.2640, 16.3662
YIQ	179.3420, -21.5810, -76.9810

Conversions

Conversions Part 2

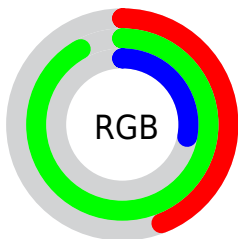
Format	Color
RYB	72, 235, 196
Decimal	7334728
CIELab	83.58, -62.71, 65.35
CIElCh	84, 90.573, 133.818
Yxy	63.2640, 0.3198, 0.5404
Android (android.graphics.Color)	4285524808 (0xFF6FEB48)
YUV	179.3420, -52.9196, -59.9359
Hunter-Lab	79.5387, -55.1733, 43.4773

Details

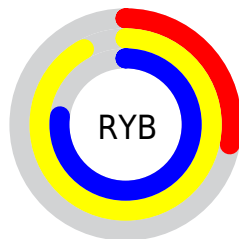
The Yxy color **63.2640, 0.3198, 0.5404** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **22.3579, 0.2797, 0.1561**, and the grayscale version is **45.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8492, 0.3299, 0.4766**, and **32.2919, 0.3085, 0.5932** is the 20% darker color. If you saturate the color by 10%, you get **61.9702, 0.3170, 0.5647**, and if you desaturate by 10%, it is **64.9121, 0.3214, 0.5108**.

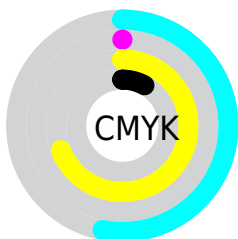
Distribution



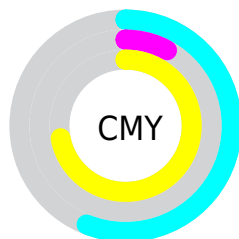
- Red (44%)
- Green (92%)
- Blue (28%)



- Red (28%)
- Yellow (92%)
- Blue (77%)



- Cyan (53%)
- Magenta (0%)
- Yellow (69%)
- Black (8%)





- Cyan (56%)
- Magenta (8%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2640, 0.3198, 0.5404 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 63.2640, 0.3198, 0.5404 by changing the saturation by 10% instead.


 63.2640, 0.3198,
0.5404

 63.2640, 0.3198,
0.5404


436.5270, 0.3244,
0.4337


 46.0548, 0.3160,
0.5658

 109.5503, 0.3235,
0.5023


 32.2891, 0.3096,
0.5970


 139.3962, 0.3243,
0.4877


 21.5824, 0.2990,
0.6357


 174.2231, 0.3247,
0.4753

 13.5504, 0.2809,
0.6845

 214.4155, 0.3249,
0.4646

 7.8086, 0.2511,
0.7489

 260.3576, 0.3249,
0.4553

 3.9727, 0.1938,
0.8062

312.4340, 0.3248,

 1.6583, 0.0000,

0.4472

1.0000

371.0290, 0.3246,
0.4401

■ 0.3964, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2640, 0.3198,
0.5404

■ 63.2640, 0.3198,
0.5404

■ 61.9702, 0.3170,
0.5647

■ 64.9121, 0.3214,
0.5108

■ 60.9947, 0.3132,
0.5822

■ 66.9313, 0.3218,
0.4782

■ 60.3022, 0.3089,
0.5926


■ 69.3464, 0.3211,
0.4447


■ 60.2657, 0.3086,
0.5932

■ 72.1780, 0.3196,
0.4119

 75.4451, 0.3176,
0.3811

 79.1654, 0.3151,
0.3528

 83.3556, 0.3125,
0.3275

 87.7063, 0.3130,
0.3097

 87.8956, 0.3136,
0.3097

Harmonies

Analogous

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



63.2640, 0.4195, 0.5154



63.2640, 0.3198, 0.5404



63.2640, 0.2233, 0.4635

Triad

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



63.2640, 0.3198, 0.5404



63.2640, 0.1437, 0.1813



63.2640, 0.4905, 0.2950

Complementary

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



63.2640, 0.3198, 0.5404



22.3579, 0.2797, 0.1561

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.



63.2640, 0.3848, 0.2327



63.2640, 0.3198, 0.5404



63.2640, 0.1877, 0.1704

Square

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



63.2640, 0.3198, 0.5404



63.2640, 0.1331, 0.2299



63.2640, 0.2702, 0.1888



63.2640, 0.5321, 0.3660

Rectangle

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



63.2640, 0.3198, 0.5404



63.2640, 0.1748, 0.3738



63.2640, 0.2702, 0.1888



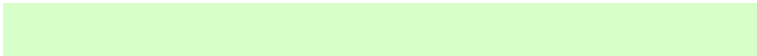
63.2640, 0.4602, 0.2729

Sweetspot

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



63.2667, 0.3198, 0.5404



90.0972, 0.3179, 0.3862



56.8229, 0.4354, 0.4517



19.0451, 0.3185, 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.



63.2667, 0.3198, 0.5404



74.0807, 0.3156, 0.5726



61.9794, 0.2874, 0.5040



17.0364, 0.3152, 0.3531



33.5902, 0.3095, 0.5925



2.6810, 0.3190, 0.5849

Inverse Universe

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



22.3579, 0.2797, 0.1561



21.8494, 0.2706, 0.1347



26.2014, 0.3668, 0.2074



15.1213, 0.3100, 0.3055



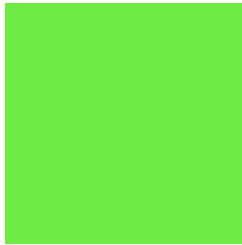
8.7124, 0.2610, 0.1211



0.7277, 0.2697, 0.1259

Previews

White Background



This preview shows how the Yxy color 63.2640, 0.3198, 0.5404 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 63.2640, 0.3198, 0.5404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

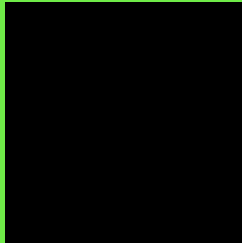
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

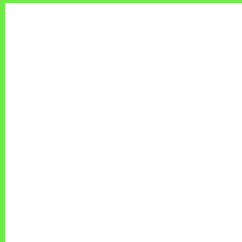
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2640, 0.3198, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 63.2640, 0.3198, 0.5404.



This preview shows how white text looks on a background with the Yxy color 63.2640, 0.3198, 0.5404.

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

63.2640, 0.3198, 0.5404

Protanopia

62.1631, 0.4260, 0.4683

Deuteranopia

62.0007, 0.4377, 0.4292



Tritanopia

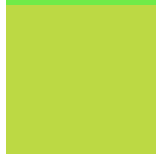
63.0516, 0.2543, 0.3081

Trichromacy



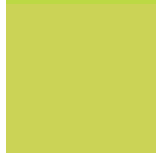
Original Color

63.2640, 0.3198, 0.5404



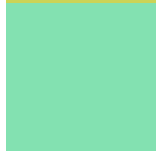
Protanomaly

60.7344, 0.3817, 0.4976



Deuteranomaly

59.9569, 0.3896, 0.4709



Tritanomaly

61.8500, 0.2812, 0.3933

Monochromacy



Original Color

63.2640, 0.3198, 0.5404



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.6103, 0.3195, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2640, 0.3198, 0.5404 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, 235, 72)` looks like.

```
.text, #text, p{  
    color:rgb(111, 235, 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(111, 235, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 235, 72) }
```

Border

The CSS property to change the border of an element to Yxy 63.2640, 0.3198, 0.5404 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, 235, 72) }
```

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

```
.border{ border-color:rgb(111, 235, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 235, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 235, 72); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 235, 72); box-shadow:4px 4px 4px 4px rgb(111, 235, 72) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2640, 0.3198, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 235, 72) }
```

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

```
.background{ background-color: rgb(111,  
235, 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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