

Converting Colors

Yxy(64.4319, 0.2940, 0.5767)

Have a look what the booklet for
Yxy(64.4319, 0.2940, 0.5767)
contains.

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Color

Yxy(64.4254, 0.2940, 0.5767)

Conversions

Conversions Part 1

Format	Color
Hex	06F338
RGB	6, 243, 56
RGB Percent	2%, 95%, 22%
CMY	0.9745, 0.0471, 0.7804
CMYK	0.97, 0.00, 0.77, 0.05
HSL	133°, 95%, 49%
HSV	133°, 97%, 95%
XYZ	32.8439, 64.4254, 14.4446
YIQ	150.8190, -81.2250, -108.4010

Conversions

Conversions Part 2

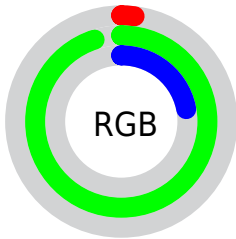
Format	Color
RYB	6, 202, 243
Decimal	455480
CIELab	84.19, -80.97, 70.73
CIELCh	84, 107.516, 138.861
Yxy	64.4254, 0.2940, 0.5767
Android (android.graphics.Color)	4278645560 (0xFF06F338)
YUV	150.8190, -46.7458, -127.0063
Hunter-Lab	80.2654, -67.4239, 45.5159

Details

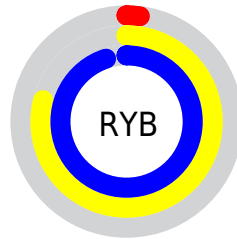
The Yxy color **64.4254, 0.2940, 0.5767** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **23.0678, 0.3813, 0.1883**, and the grayscale version is **31.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4940, 0.3045, 0.5050**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.3385, 0.2946, 0.5807**, and if you desaturate by 10%, it is **64.8997, 0.2916, 0.5584**.

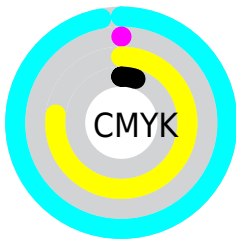
Distribution



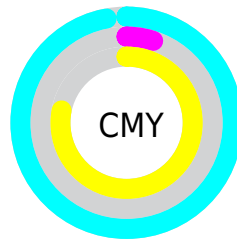
- Red (2%)
- Green (95%)
- Blue (22%)



- Red (2%)
- Yellow (79%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (77%)
- Black (5%)



- Cyan (97%)
- Magenta (5%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4254, 0.2940, 0.5767 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 64.4254, 0.2940, 0.5767 by changing the saturation by 10% instead.


 64.4254, 0.2940,
0.5767

 64.4254, 0.2940,
0.5767


440.7242, 0.3132,
0.4502


 46.9953, 0.2862,
0.6068

 111.2234, 0.3033,
0.5314


 33.0319, 0.2747,
0.6437


 141.3600, 0.3061,
0.5141

 22.1509, 0.2572,
0.6890


 176.5010, 0.3082,
0.4993

 13.9678, 0.2314,
0.7481

 217.0306, 0.3098,
0.4867

 8.0983, 0.1888,
0.8112

 263.3334, 0.3110,
0.4757

 4.1579, 0.1202,
0.8798

315.7937, 0.3120,

 1.7623, 0.0000,

0.4662

1.0000

374.7958, 0.3127,
0.4577

■ 0.4635, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4254, 0.2940,
0.5767

■ 64.4254, 0.2940,
0.5767

■ 64.3385, 0.2946,
0.5807

■ 64.8997, 0.2916,
0.5584

■ 65.7313, 0.2902,
0.5348

■ 66.9865, 0.2903,
0.5073

■ 68.7147, 0.2916,
0.4777

■ 70.9584, 0.2941,
0.4475

■ 73.7553, 0.2974,
0.4183

■ 77.1393, 0.3012,
0.3909

■ 81.1418, 0.3054,
0.3660

■ 85.7918, 0.3096,
0.3437

Harmonies

Analogous

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



64.4254, 0.4072, 0.5511



64.4254, 0.2940, 0.5767



64.4254, 0.1907, 0.4648

Triad

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



64.4254, 0.2940, 0.5767



64.4254, 0.1287, 0.1570



64.4254, 0.5356, 0.2987

Complementary

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



64.4254, 0.2940, 0.5767



23.0678, 0.3813, 0.1883

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.



64.4254, 0.4198, 0.2293



64.4254, 0.2940, 0.5767



64.4254, 0.1826, 0.1523

Square

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



64.4254, 0.2940, 0.5767



64.4254, 0.1110, 0.1998



64.4254, 0.2822, 0.1773



64.4254, 0.5629, 0.3757

Rectangle

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



64.4254, 0.2940, 0.5767



64.4254, 0.1434, 0.3521



64.4254, 0.2822, 0.1773



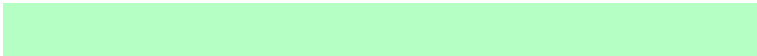
64.4254, 0.5047, 0.2745

Sweetspot

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



64.4281, 0.2940, 0.5767



85.3595, 0.3005, 0.3955



75.8102, 0.3843, 0.5319



17.9180, 0.2988, 0.4071



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.



64.4281, 0.2940, 0.5767



71.7805, 0.2947, 0.5810



67.1229, 0.2527, 0.4285



18.5288, 0.3087, 0.3483



35.3273, 0.2940, 0.5784



3.1193, 0.2879, 0.5563

Inverse Universe

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



23.0678, 0.3813, 0.1883



25.5064, 0.3836, 0.1887



19.7376, 0.5728, 0.2945



16.7054, 0.3170, 0.3105



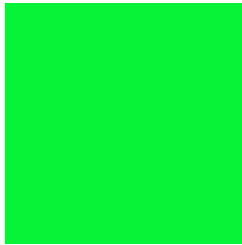
12.5703, 0.3822, 0.1879



1.1194, 0.3730, 0.1828

Previews

White Background



This preview shows how the Yxy color 64.4254, 0.2940, 0.5767 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 64.4254, 0.2940, 0.5767 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 64.4254, 0.2940, 0.5767

Background



This preview shows how black text looks on a background with the Yxy color 64.4254, 0.2940, 0.5767.

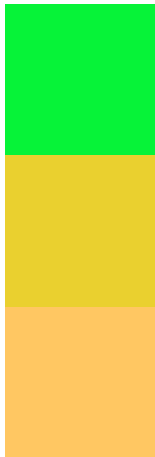


This preview shows how white text looks on a background with the Yxy color 64.4254, 0.2940, 0.5767.

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

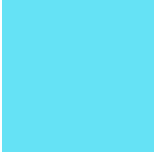
64.4254, 0.2940, 0.5767

Protanopia

62.8094, 0.4331, 0.4772

Deuteranopia

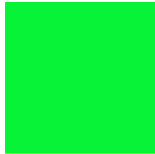
62.9887, 0.4339, 0.4279



Tritanopia

63.7520, 0.2348, 0.3052

Trichromacy



Original Color

64.4254, 0.2940, 0.5767



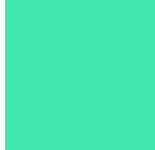
Protanomaly

58.5225, 0.3564, 0.5322



Deuteranomaly

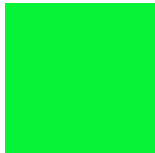
57.2247, 0.3578, 0.4948



Tritanomaly

62.0411, 0.2566, 0.4081

Monochromacy



Original Color

64.4254, 0.2940, 0.5767



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

38.1386, 0.2945, 0.4434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4254, 0.2940, 0.5767 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(6, 243, 56)` looks like.

```
.text, #text, p{  
    color:rgb(6, 243, 56)  
}
```

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(6, 243, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 243, 56) }
```

Border

The CSS property to change the border of an element to Yxy 64.4254, 0.2940, 0.5767 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(6, 243, 56) }
```

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

```
.border{ border-color:rgb(6, 243, 56) }
```

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

Here you see how a box with a 4 pixel rgb(6, 243, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 243, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 243, 56);  
box-shadow:4px 4px 4px 4px rgb(6, 243, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.4254, 0.2940, 0.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 243, 56) }
```

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

```
.background{ background-color: rgb(6, 243,  
56) }
```

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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