

Converting Colors

Yxy(64.3402, 0.2946, 0.5806)

Have a look what the booklet for
Yxy(64.3402, 0.2946, 0.5806)
contains.

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Color

Yxy(64.3402, 0.2946, 0.5806)

Conversions

Conversions Part 1

Format	Color
Hex	00F333
RGB	0, 243, 51
RGB Percent	0%, 95%, 20%
CMY	1.0000, 0.0470, 0.8000
CMYK	1.00, 0.00, 0.79, 0.05
HSL	133°, 100%, 48%
HSV	133°, 100%, 95%
XYZ	32.6466, 64.3402, 13.8299
YIQ	148.4550, -83.1960, -111.2280

Conversions

Conversions Part 2

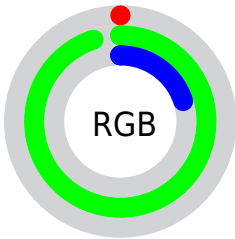
Format	Color
RYB	0, 201, 243
Decimal	62259
CIELab	84.14, -81.49, 72.12
CIELCh	84, 108.821, 138.487
Yxy	64.3402, 0.2946, 0.5806
Android (android.graphics.Color)	4278252339 (0xFF00F333)
YUV	148.4550, -48.0453, -130.1950
Hunter-Lab	80.2123, -67.7217, 45.9261

Details

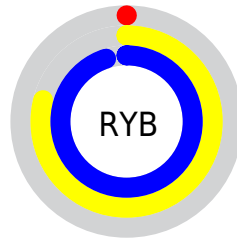
The Yxy color **64.3402, 0.2946, 0.5806** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **22.8615, 0.3836, 0.1887**, and the grayscale version is **30.0474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3347, 0.3056, 0.5098**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.3439, 0.2946, 0.5806**, and if you desaturate by 10%, it is **64.7475, 0.2921, 0.5637**.

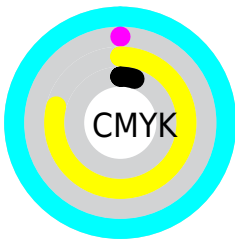
Distribution



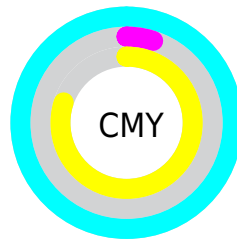
- Red (0%)
- Green (95%)
- Blue (20%)



- Red (0%)
- Yellow (79%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3402, 0.2946, 0.5806 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 64.3402, 0.2946, 0.5806 by changing the saturation by 10% instead.

 64.3402, 0.2946,
0.5806


 64.3402, 0.2946,
0.5806


440.4171, 0.3140,
0.4523

 46.9263, 0.2866,
0.6110


 111.1007, 0.3041,
0.5347


 32.9774, 0.2748,
0.6481


 141.2161, 0.3069,
0.5171


 22.1091, 0.2569,
0.6934

 176.3341, 0.3090,
0.5022

 13.9371, 0.2310,
0.7539

 216.8391, 0.3106,
0.4894

 8.0769, 0.1869,
0.8131

 263.1156, 0.3118,
0.4782

 4.1442, 0.1174,
0.8826

315.5478, 0.3127,

 1.7546, 0.0000,

0.4685

1.0000

374.5202, 0.3134,
0.4599

■ 0.4586, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3402, 0.2946,
0.5806

■ 64.3402, 0.2946,
0.5806


■ 64.3439, 0.2946,
0.5806

■ 64.7475, 0.2921,
0.5637


■ 65.4760, 0.2904,
0.5415


■ 66.6131, 0.2901,
0.5149

■ 68.2107, 0.2911,
0.4856

 70.3130, 0.2933,
0.4555

 72.9586, 0.2964,
0.4259

 76.1824, 0.3001,
0.3980

 80.0165, 0.3042,
0.3723

 84.4905, 0.3085,
0.3493

Harmonies

Analogous

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



64.3402, 0.4087, 0.5521



64.3402, 0.2946, 0.5806



64.3402, 0.1902, 0.4688

Triad

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



64.3402, 0.2946, 0.5806



64.3402, 0.1268, 0.1557



64.3402, 0.5372, 0.2971

Complementary

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



64.3402, 0.2946, 0.5806



22.8615, 0.3836, 0.1887

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.



64.3402, 0.4192, 0.2274



64.3402, 0.2946, 0.5806



64.3402, 0.1803, 0.1506

Square

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



64.3402, 0.2946, 0.5806



64.3402, 0.1094, 0.1991



64.3402, 0.2802, 0.1755



64.3402, 0.5656, 0.3744

Rectangle

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



64.3402, 0.2946, 0.5806



64.3402, 0.1424, 0.3541



64.3402, 0.2802, 0.1755



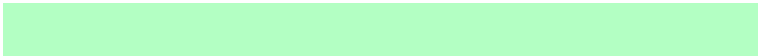
64.3402, 0.5056, 0.2728

Sweetspot

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



64.3439, 0.2946, 0.5806



84.9644, 0.3001, 0.3982



75.6278, 0.3838, 0.5335



17.8436, 0.2984, 0.4097



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.



64.3439, 0.2946, 0.5806



71.7819, 0.2947, 0.5809



67.0110, 0.2532, 0.4316



18.5289, 0.3087, 0.3482



35.3280, 0.2940, 0.5783



3.1194, 0.2878, 0.5562

Inverse Universe

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



22.8615, 0.3836, 0.1887



25.4995, 0.3838, 0.1888



19.5355, 0.5805, 0.2971



16.7052, 0.3170, 0.3105



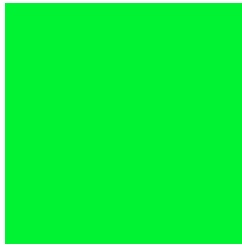
12.5669, 0.3824, 0.1880



1.1191, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 64.3402, 0.2946, 0.5806 looks on a white background.

Color Contrast Check

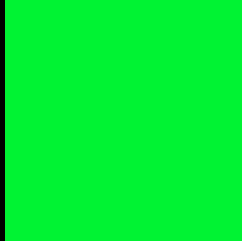
Large Text (above 18pt) WCAG AA × Fail

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 64.3402, 0.2946, 0.5806 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

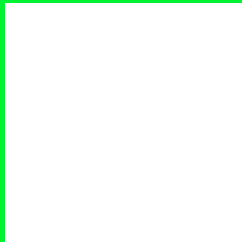
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3402, 0.2946, 0.5806

Background



This preview shows how black text looks on a background with the Yxy color 64.3402, 0.2946, 0.5806.

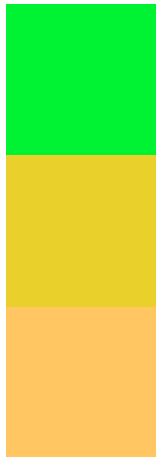


This preview shows how white text looks on a background with the Yxy color 64.3402, 0.2946, 0.5806.

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

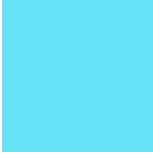
64.3402, 0.2946, 0.5806

Protanopia

62.7713, 0.4344, 0.4792

Deuteranopia

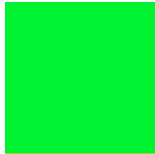
62.5112, 0.4352, 0.4278



Tritanopia

63.7520, 0.2348, 0.3052

Trichromacy



Original Color

64.3402, 0.2946, 0.5806



Protanomaly

58.2919, 0.3562, 0.5362



Deuteranomaly

56.3537, 0.3572, 0.4983



Tritanomaly

61.8592, 0.2567, 0.4112

Monochromacy



Original Color

64.3402, 0.2946, 0.5806



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.4389, 0.2937, 0.4482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3402, 0.2946, 0.5806 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(0, 243, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 51)  
}
```

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(0, 243, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 51) }
```

Border

The CSS property to change the border of an element to Yxy 64.3402, 0.2946, 0.5806 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(0, 243, 51) }
```

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

```
.border{ border-color:rgb(0, 243, 51) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 243, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.3402, 0.2946, 0.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 51) }
```

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

```
.background{ background-color: rgb(0, 243,  
51) }
```

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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