

Converting Colors

$Yxy(63.7433, 0.2946, 0.5804)$

Have a look what the booklet for
Yxy(63.7433, 0.2946, 0.5804)
contains.

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Color

Yxy(63.7497, 0.2946, 0.5804)

Conversions

Conversions Part 1

Format	Color
Hex	01F233
RGB	1, 242, 51
RGB Percent	0%, 95%, 20%
CMY	0.9977, 0.0509, 0.8000
CMYK	1.00, 0.00, 0.79, 0.05
HSL	133°, 100%, 48%
HSV	133°, 100%, 95%
XYZ	32.3581, 63.7497, 13.7297
YIQ	148.1670, -82.3250, -110.4930

Conversions

Conversions Part 2

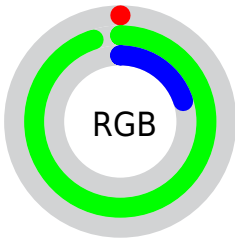
Format	Color
RYB	1, 201, 242
Decimal	127539
CIELab	83.84, -81.20, 71.84
CIELCh	84, 108.414, 138.499
Yxy	63.7497, 0.2946, 0.5804
Android (android.graphics.Color)	4278317619 (0xFF01F233)
YUV	148.1670, -47.9033, -129.0655
Hunter-Lab	79.8434, -67.3853, 45.6950

Details

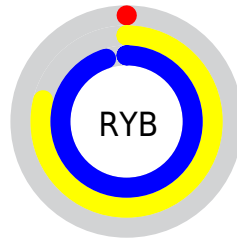
The Yxy color **63.7497, 0.2946, 0.5804** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **22.6804, 0.3830, 0.1884**, and the grayscale version is **29.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3347, 0.3056, 0.5098**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.7443, 0.2947, 0.5807**, and if you desaturate by 10%, it is **64.1576, 0.2921, 0.5634**.

Distribution



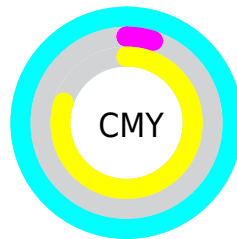
- Red (0%)
- Green (95%)
- Blue (20%)



- 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 63.7497, 0.2946, 0.5804 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 63.7497, 0.2946, 0.5804 by changing the saturation by 10% instead.


 63.7497, 0.2946,
0.5804


 63.7497, 0.2946,
0.5804


438.2852, 0.3140,
0.4520


 46.4480, 0.2866,
0.6109

 110.2504, 0.3041,
0.5344


 32.5995, 0.2748,
0.6481


 140.2181, 0.3069,
0.5168


 21.8198, 0.2568,
0.6937


 175.1767, 0.3090,
0.5019

 13.7245, 0.2308,
0.7548

 215.5104, 0.3106,
0.4890

 7.9293, 0.1862,
0.8138

 261.6038, 0.3118,
0.4779

 4.0498, 0.1149,
0.8851

313.8411, 0.3127,

 1.7014, 0.0000,

0.4682

1.0000

372.6067, 0.3134,
0.4596

■ 0.4246, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7497, 0.2946,
0.5804

■ 63.7497, 0.2946,
0.5804


■ 63.7443, 0.2947,
0.5807


■ 64.1576, 0.2921,
0.5634


■ 64.8886, 0.2905,
0.5411

■ 66.0259, 0.2902,
0.5144


■ 67.6207, 0.2912,
0.4850

 69.7164, 0.2934,
0.4549

 72.3514, 0.2965,
0.4253

 75.5601, 0.3003,
0.3974

 79.3743, 0.3044,
0.3718

 83.8231, 0.3086,
0.3488

Harmonies

Analogous

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



63.7497, 0.4087, 0.5521



63.7497, 0.2946, 0.5804



63.7497, 0.1903, 0.4686

Triad

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



63.7497, 0.2946, 0.5804



63.7497, 0.1269, 0.1558



63.7497, 0.5371, 0.2972

Complementary

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



63.7497, 0.2946, 0.5804



22.6804, 0.3830, 0.1884

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.



63.7497, 0.4192, 0.2275



63.7497, 0.2946, 0.5804



63.7497, 0.1804, 0.1507

Square

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



63.7497, 0.2946, 0.5804



63.7497, 0.1095, 0.1992



63.7497, 0.2802, 0.1755



63.7497, 0.5655, 0.3744

Rectangle

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



63.7497, 0.2946, 0.5804



63.7497, 0.1424, 0.3541



63.7497, 0.2802, 0.1755



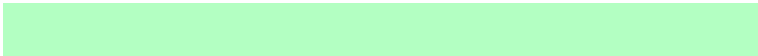
63.7497, 0.5055, 0.2729

Sweetspot

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



63.7523, 0.2946, 0.5804



84.9604, 0.3001, 0.3983



74.9440, 0.3838, 0.5333



17.8427, 0.2985, 0.4098



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.



63.7523, 0.2946, 0.5804



71.7792, 0.2948, 0.5811



66.4000, 0.2532, 0.4313



17.7104, 0.3087, 0.3482



34.2571, 0.2940, 0.5784



2.8639, 0.2875, 0.5549

Inverse Universe

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



22.6804, 0.3830, 0.1884



25.5132, 0.3834, 0.1886



19.3731, 0.5797, 0.2969



15.9716, 0.3170, 0.3105



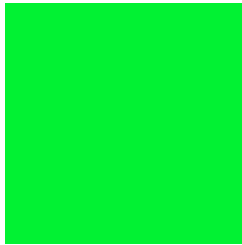
12.1937, 0.3819, 0.1878



1.0284, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 63.7497, 0.2946, 0.5804 looks on a white background.

Color Contrast Check

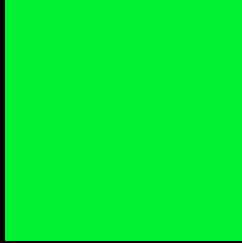
Large Text (above 18pt) WCAG AA × Fail

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 63.7497, 0.2946, 0.5804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

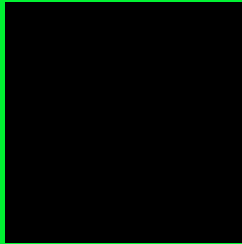
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7497, 0.2946, 0.5804

Background



This preview shows how black text looks on a background with the Yxy color 63.7497, 0.2946, 0.5804.



This preview shows how white text looks on a background with the Yxy color 63.7497, 0.2946, 0.5804.

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

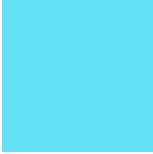
63.7497, 0.2946, 0.5804

Protanopia

62.1165, 0.4345, 0.4791

Deuteranopia

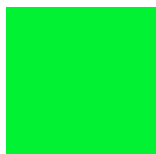
61.9652, 0.4389, 0.4307



Tritanopia

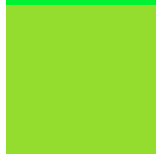
63.0914, 0.2346, 0.3051

Trichromacy



Original Color

63.7497, 0.2946, 0.5804



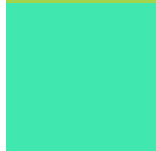
Protanomaly

57.6718, 0.3559, 0.5362



Deuteranomaly

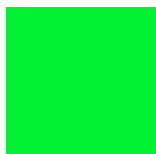
55.8057, 0.3590, 0.5004



Tritanomaly

61.2978, 0.2564, 0.4101

Monochromacy



Original Color

63.7497, 0.2946, 0.5804



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.0278, 0.2936, 0.4470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7497, 0.2946, 0.5804 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(1, 242, 51)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 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(1, 242, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 51) }
```

Border

The CSS property to change the border of an element to Yxy 63.7497, 0.2946, 0.5804 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(1, 242, 51) }
```

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

```
.border{ border-color:rgb(1, 242, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 242, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 51);  
box-shadow:4px 4px 4px 4px rgb(1, 242, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.7497, 0.2946, 0.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 51) }
```

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

```
.background{ background-color: rgb(1, 242,  
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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