

# Converting Colors

$Yxy(63.9130, 0.2842, 0.5432)$

Have a look what the booklet for  
Yxy(63.9130, 0.2842, 0.5432)  
contains.

<b>Yxy(63.6488, 0.2843, 0.5433)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.6488, 0.2843, 0.5433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F15A
RGB	1, 241, 90
RGB Percent	0%, 95%, 35%
CMY	0.9972, 0.0549, 0.6471
CMYK	1.00, 0.00, 0.63, 0.05
HSL	142°, 99%, 47%
HSV	142°, 100%, 95%
XYZ	33.3064, 63.6488, 20.1970
YIQ	152.0260, -94.5690, -97.8410

# Conversions

## Conversions Part 2

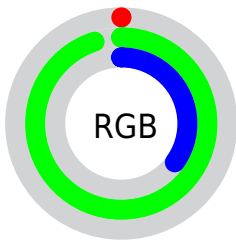
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 176, 241
Decimal	127322
CIELab	83.78, -77.59, 57.98
CIELCh	84, 96.860, 143.232
Yxy	63.6488, 0.2843, 0.5433
Android (android.graphics.Color)	4278317402 (0xFF01F15A)
YUV	152.0260, -30.5788, -132.4498
Hunter-Lab	79.7802, -65.0958, 40.8364

# Details

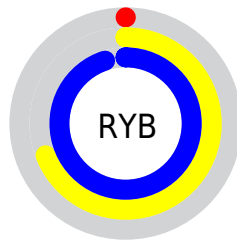
The Yxy color **63.6488, 0.2843, 0.5433** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **20.9737, 0.4445, 0.2223**, and the grayscale version is **31.5344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0750, 0.2909, 0.4702**, and **33.9713, 0.2955, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **63.6393, 0.2844, 0.5438**, and if you desaturate by 10%, it is **64.1357, 0.2809, 0.5235**.

# Distribution



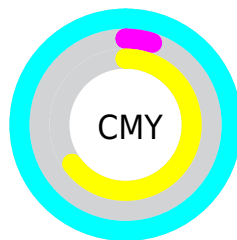
- Red (0%)
- Green (95%)
- Blue (35%)



- Red (0%)
- Yellow (69%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6488, 0.2843, 0.5433 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 63.6488, 0.2843, 0.5433 by changing the saturation by 10% instead.





 63.6488, 0.2843,  
0.5433

 63.6488, 0.2843,  
0.5433

437.9203, 0.3049,  
0.4326


 46.3663, 0.2772,  
0.5707


 110.1050, 0.2933,  
0.5029


 32.5350, 0.2671,  
0.6053


 140.0475, 0.2962,  
0.4878


 21.7704, 0.2522,  
0.6494


 174.9787, 0.2985,  
0.4750

 13.6883, 0.2292,  
0.7064

 215.2831, 0.3004,  
0.4640

 7.9042, 0.1979,  
0.8002

 261.3451, 0.3018,  
0.4546

 4.0337, 0.1310,  
0.8690

313.5490, 0.3031,

 1.6924, 0.0000,

0.4463

1.0000

372.2793, 0.3041,  
0.4391

■ 0.4188, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.6488, 0.2843,  
0.5433

■ 63.6488, 0.2843,  
0.5433


■ 63.6393, 0.2844,  
0.5438


■ 64.1357, 0.2809,  
0.5235

■ 64.9223, 0.2789,  
0.5012

■ 66.0868, 0.2788,  
0.4772

■ 67.6765, 0.2804,  
0.4525

 69.7314, 0.2837,  
0.4280

 72.2869, 0.2883,  
0.4046

 75.3746, 0.2938,  
0.3827

 79.0236, 0.2999,  
0.3626

 83.2608, 0.3063,  
0.3446

# Harmonies

## Analogous

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



63.6488, 0.3905, 0.5431



63.6488, 0.2843, 0.5433



63.6488, 0.1908, 0.4290

# Triad

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



63.6488, 0.2843, 0.5433



63.6488, 0.1461, 0.1666



63.6488, 0.5249, 0.3141

# Complementary

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



63.6488, 0.2843, 0.5433



20.9737, 0.4445, 0.2223

# 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.



63.6488, 0.4287, 0.2462



63.6488, 0.2843, 0.5433



63.6488, 0.2034, 0.1658

# Square

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



63.6488, 0.2843, 0.5433



63.6488, 0.1246, 0.2023



63.6488, 0.3026, 0.1936



63.6488, 0.5406, 0.3892



# Rectangle

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



63.6488, 0.2843, 0.5433



63.6488, 0.1499, 0.3313



63.6488, 0.3026, 0.1936



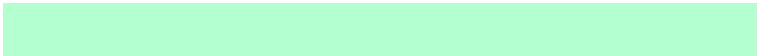
63.6488, 0.5004, 0.2905

# Sweetspot

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



63.6514, 0.2843, 0.5433



85.5454, 0.2936, 0.3835



69.6723, 0.3556, 0.5558



17.9784, 0.2912, 0.3926



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.



63.6514, 0.2843, 0.5433



72.3414, 0.2846, 0.5444



67.5150, 0.2367, 0.3719



17.7535, 0.3065, 0.3442



34.5350, 0.2836, 0.5408



2.8916, 0.2762, 0.5143



# Inverse Universe

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



20.9737, 0.4445, 0.2223



23.8073, 0.4454, 0.2227



18.8240, 0.6248, 0.3218



15.9260, 0.3195, 0.3143



11.3878, 0.4424, 0.2211

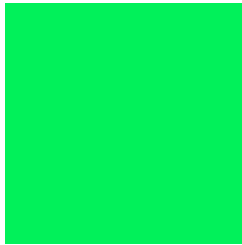


0.9665, 0.4221, 0.2099



# Previews

## White Background



This preview shows how the Yxy color 63.6488, 0.2843, 0.5433 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 63.6488, 0.2843, 0.5433 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 63.6488, 0.2843, 0.5433**

## Background



This preview shows how black text looks on a background with the Yxy color 63.6488, 0.2843, 0.5433.

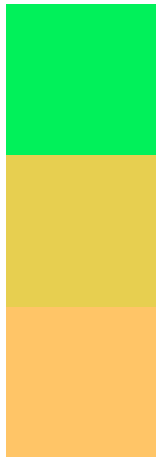


This preview shows how white text looks on a background with the Yxy color 63.6488, 0.2843, 0.5433.

# 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

63.6552, 0.2843, 0.5433

### Protanopia

62.1938, 0.4185, 0.4589

### Deuteranopia

62.1718, 0.4321, 0.4221



## Tritanopia

63.4658, 0.2339, 0.3063

# Trichromacy



## Original Color

63.6552, 0.2843, 0.5433



## Protanomaly

57.5062, 0.3421, 0.5049



## Deuteranomaly

56.2569, 0.3495, 0.4783



## Tritanomaly

61.8068, 0.2495, 0.3891

# Monochromacy



## Original Color

63.6552, 0.2843, 0.5433



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

38.4073, 0.2853, 0.4209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6488, 0.2843, 0.5433 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, 241, 90)` looks like.

```
.text, #text, p{  
    color:rgb(1, 241, 90)  
}
```

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, 241, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 241, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6488, 0.2843, 0.5433 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, 241, 90) }
```

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

```
.border{ border-color:rgb(1, 241, 90) }
```

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

Here you see how a box with a 4 pixel rgb(1, 241, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 241, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 241, 90);  
box-shadow:4px 4px 4px 4px rgb(1, 241, 90)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 63.6488, 0.2843, 0.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 241, 90) }
```

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

```
.background{ background-color: rgb(1, 241,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor