

# Converting Colors

$Y_{xy}(62.7959, 0.2858, 0.5487)$

Have a look what the booklet for  
Yxy(62.7959, 0.2858, 0.5487)  
contains.

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# Color

**Yxy(62.9825, 0.2858, 0.5485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F055
RGB	1, 240, 85
RGB Percent	0%, 94%, 33%
CMY	0.9942, 0.0588, 0.6665
CMYK	0.99, 0.00, 0.65, 0.06
HSL	141°, 99%, 47%
HSV	141°, 99%, 94%
XYZ	32.8175, 62.9825, 19.0268
YIQ	150.8690, -92.6890, -98.8730

# Conversions

## Conversions Part 2

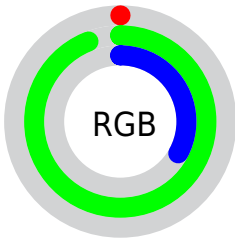
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 178, 240
Decimal	127061
CIE <sub>Lab</sub>	83.43, -77.82, 59.62
CIE <sub>LCh</sub>	83, 98.033, 142.542
Yxy	62.9825, 0.2858, 0.5485
Android (android.graphics.Color)	4278317141 (0xFF01F055)
YUV	150.8690, -32.4734, -131.4351
Hunter-Lab	79.3615, -65.0695, 41.3384

# Details

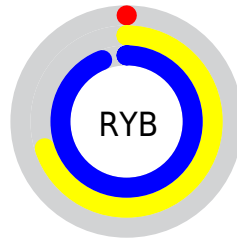
The Yxy color **62.9825, 0.2858, 0.5485** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **20.9726, 0.4354, 0.2174**, and the grayscale version is **31.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9242, 0.2931, 0.4766**, and **33.5178, 0.2973, 0.5902** is the 20% darker color. If you saturate the color by 10%, you get **62.9603, 0.2860, 0.5496**, and if you desaturate by 10%, it is **63.4642, 0.2824, 0.5287**.

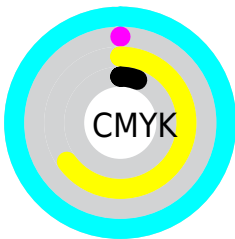
# Distribution



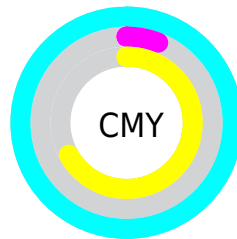
- Red (0%)
- Green (94%)
- Blue (33%)



- Red (0%)
- Yellow (70%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (65%)
- Black (6%)




- Cyan (99%)
- Magenta (6%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9825, 0.2858, 0.5485 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 62.9825, 0.2858, 0.5485 by changing the saturation by 10% instead.




 62.9825, 0.2858,  
0.5485


 62.9825, 0.2858,  
0.5485

435.5060, 0.3062,  
0.4351


 45.8271, 0.2786,  
0.5766


 109.1443, 0.2948,  
0.5072


 32.1094, 0.2683,  
0.6118


 138.9194, 0.2977,  
0.4916

 21.4450, 0.2529,  
0.6567


 173.6698, 0.3000,  
0.4785

 13.4497, 0.2291,  
0.7141

 213.7800, 0.3018,  
0.4672

 7.7389, 0.1956,  
0.8044

 259.6343, 0.3032,  
0.4575

 3.9284, 0.1259,  
0.8741

311.6171, 0.3044,

 1.6336, 0.0000,

0.4491

1.0000

370.1129, 0.3054,  
0.4416

■ 0.3801, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.9825, 0.2858,  
0.5485

■ 62.9825, 0.2858,  
0.5485


■ 62.9603, 0.2860,  
0.5496

■ 63.4642, 0.2824,  
0.5287


■ 64.2501, 0.2805,  
0.5060


■ 65.4152, 0.2803,  
0.4814

■ 67.0062, 0.2820,  
0.4559

 69.0630, 0.2851,  
0.4307

 71.6206, 0.2895,  
0.4065

 74.7104, 0.2948,  
0.3838

 78.3616, 0.3007,  
0.3632

 82.6006, 0.3068,  
0.3446

# Harmonies

## Analogous

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



62.9825, 0.3931, 0.5446



62.9825, 0.2858, 0.5485



62.9825, 0.1908, 0.4342

# Triad

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



62.9825, 0.2858, 0.5485



62.9825, 0.1433, 0.1651



62.9825, 0.5266, 0.3118

# Complementary

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



62.9825, 0.2858, 0.5485



20.9726, 0.4354, 0.2174

# 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.



62.9825, 0.4275, 0.2436



62.9825, 0.2858, 0.5485



62.9825, 0.2002, 0.1637

# Square

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



62.9825, 0.2858, 0.5485



62.9825, 0.1224, 0.2019



62.9825, 0.2996, 0.1911



62.9825, 0.5441, 0.3873



# Rectangle

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



62.9825, 0.2858, 0.5485



62.9825, 0.1488, 0.3342



62.9825, 0.2996, 0.1911



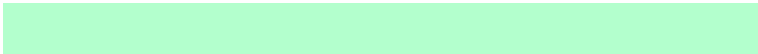
62.9825, 0.5012, 0.2881

# Sweetspot

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



62.9851, 0.2858, 0.5485



85.4664, 0.2944, 0.3854



69.4420, 0.3584, 0.5533



17.9600, 0.2921, 0.3948



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.



62.9851, 0.2858, 0.5485



72.2467, 0.2862, 0.5502



66.6990, 0.2382, 0.3774



17.7478, 0.3068, 0.3447



34.4888, 0.2852, 0.5467



2.8873, 0.2778, 0.5201



# Inverse Universe

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



20.9726, 0.4354, 0.2174



24.0013, 0.4368, 0.2180



18.6923, 0.6209, 0.3198



15.9319, 0.3192, 0.3138



11.4798, 0.4339, 0.2164

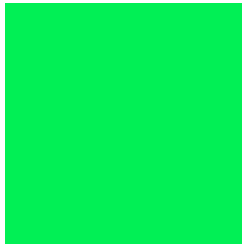


0.9738, 0.4152, 0.2061



# Previews

## White Background



This preview shows how the Yxy color 62.9825, 0.2858, 0.5485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

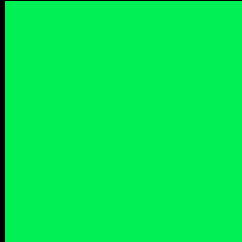
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9825, 0.2858, 0.5485 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 62.9825, 0.2858, 0.5485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9825, 0.2858, 0.5485.

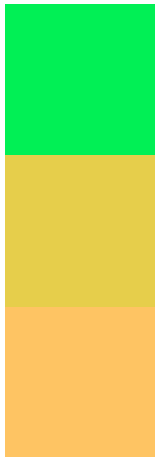


This preview shows how white text looks on a background with the Yxy color 62.9825, 0.2858, 0.5485.

# 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

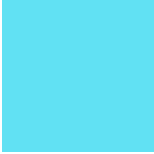
62.9825, 0.2858, 0.5485

### Protanopia

61.4736, 0.4208, 0.4621

### Deuteranopia

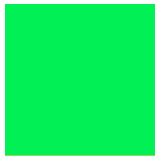
61.4515, 0.4345, 0.4248



## Tritanopia

62.8629, 0.2340, 0.3062

# Trichromacy



## Original Color

62.9825, 0.2858, 0.5485



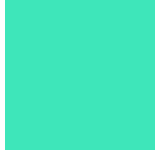
## Protanomaly

56.9104, 0.3446, 0.5091



## Deuteranomaly

55.5765, 0.3512, 0.4823



## Tritanomaly

61.1629, 0.2501, 0.3908

# Monochromacy



## Original Color

62.9825, 0.2858, 0.5485



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

37.9407, 0.2865, 0.4231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9825, 0.2858, 0.5485 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, 240, 85)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 85)  
}
```

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, 240, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9825, 0.2858, 0.5485 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, 240, 85) }
```

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

```
.border{ border-color:rgb(1, 240, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 240, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 85);  
box-shadow:4px 4px 4px 4px rgb(1, 240, 85)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 62.9825, 0.2858, 0.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 85) }
```

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

```
.background{ background-color: rgb(1, 240,  
85) }
```

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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