

Converting Colors

$Yxy(66.0894, 0.2822, 0.5358)$

Have a look what the booklet for
Yxy(66.0894, 0.2822, 0.5358)
contains.

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Color

Yxy(66.1867, 0.2822, 0.5358)

Conversions

Conversions Part 1

Format	Color
Hex	00F562
RGB	0, 245, 98
RGB Percent	0%, 96%, 38%
CMY	0.9981, 0.0392, 0.6158
CMYK	1.00, 0.00, 0.60, 0.04
HSL	144°, 100%, 48%
HSV	144°, 100%, 96%
XYZ	34.8598, 66.1867, 22.4822
YIQ	154.9870, -98.8330, -97.6570

Conversions

Conversions Part 2

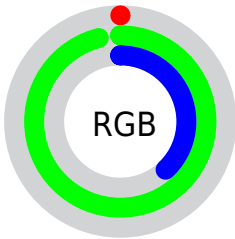
Format	Color
RYB	0, 175, 245
Decimal	62818
CIELab	85.09, -77.84, 56.09
CIELCh	85, 95.938, 144.225
Yxy	66.1867, 0.2822, 0.5358
Android (android.graphics.Color)	4278252898 (0xFF00F562)
YUV	154.9870, -28.0946, -135.9236
Hunter-Lab	81.3552, -65.8863, 40.5641

Details

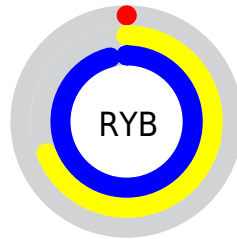
The Yxy color **66.1867, 0.2822, 0.5358** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **21.5465, 0.4560, 0.2287**, and the grayscale version is **32.9983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3973, 0.2878, 0.4597**, and **35.7078, 0.2933, 0.5757** is the 20% darker color. If you saturate the color by 10%, you get **66.1807, 0.2823, 0.5362**, and if you desaturate by 10%, it is **66.6971, 0.2787, 0.5161**.

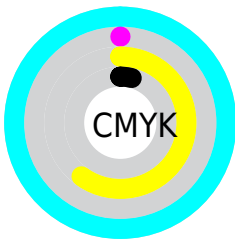
Distribution



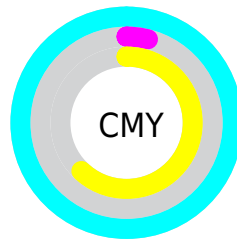
- Red (0%)
- Green (96%)
- Blue (38%)



- Red (0%)
- Yellow (69%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1867, 0.2822, 0.5358 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 66.1867, 0.2822, 0.5358 by changing the saturation by 10% instead.


 66.1867, 0.2822,
0.5358


 66.1867, 0.2822,
0.5358


447.0443, 0.3032,
0.4296


 48.4240, 0.2753,
0.5621

 113.7543, 0.2911,
0.4972


 34.1628, 0.2657,
0.5952


 144.3279, 0.2941,
0.4826


 23.0187, 0.2516,
0.6376

 179.9406, 0.2964,
0.4703

 14.6073, 0.2301,
0.6928

 220.9768, 0.2983,
0.4598

 8.5442, 0.1987,
0.7734

 267.8209, 0.2999,
0.4507

 4.4451, 0.1427,
0.8573


320.8572, 0.3012,


 1.9255, 0.0000,


0.4428


1.0000


380.4702, 0.3022,
0.4358


 0.5637, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.1867, 0.2822,
0.5358


 66.1867, 0.2822,
0.5358

 66.1807, 0.2823,
0.5362

 66.6971, 0.2787,
0.5161

 67.5138, 0.2768,
0.4943

 68.7184, 0.2767,
0.4711

 70.3599, 0.2786,
0.4473

■ 72.4797, 0.2820,
0.4239

■ 75.1142, 0.2869,
0.4014

■ 78.2962, 0.2926,
0.3805

■ 82.0558, 0.2991,
0.3613

■ 86.4206, 0.3059,
0.3441

Harmonies

Analogous

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



66.1867, 0.3867, 0.5406



66.1867, 0.2822, 0.5358



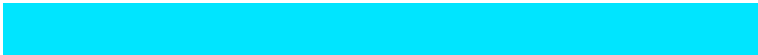
66.1867, 0.1910, 0.4219

Triad

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



66.1867, 0.2822, 0.5358



66.1867, 0.1500, 0.1688



66.1867, 0.5223, 0.3174

Complementary

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



66.1867, 0.2822, 0.5358



21.5465, 0.4560, 0.2287

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.



66.1867, 0.4303, 0.2499



66.1867, 0.2822, 0.5358



66.1867, 0.2081, 0.1689

Square

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



66.1867, 0.2822, 0.5358



66.1867, 0.1277, 0.2031



66.1867, 0.3069, 0.1972



66.1867, 0.5357, 0.3920

Rectangle

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



66.1867, 0.2822, 0.5358



66.1867, 0.1514, 0.3273



66.1867, 0.3069, 0.1972



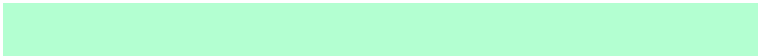
66.1867, 0.4991, 0.2939

Sweetspot

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



66.1894, 0.2822, 0.5358



85.6475, 0.2925, 0.3810



71.9116, 0.3528, 0.5580



18.0023, 0.2899, 0.3897



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.



66.1894, 0.2822, 0.5358



72.4724, 0.2824, 0.5365



70.2908, 0.2351, 0.3663



18.5815, 0.3061, 0.3436



35.6782, 0.2814, 0.5331



3.1555, 0.2745, 0.5081

Inverse Universe

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



21.5465, 0.4560, 0.2287



23.5715, 0.4567, 0.2290



19.5120, 0.6280, 0.3234



16.6499, 0.3199, 0.3149



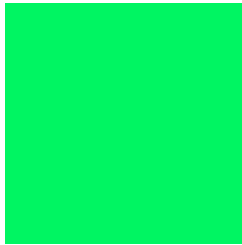
11.6265, 0.4536, 0.2272



1.0421, 0.4324, 0.2155

Previews

White Background



This preview shows how the Yxy color 66.1867, 0.2822, 0.5358 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 66.1867, 0.2822, 0.5358 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 66.1867, 0.2822, 0.5358

Background



This preview shows how black text looks on a background with the Yxy color 66.1867, 0.2822, 0.5358.

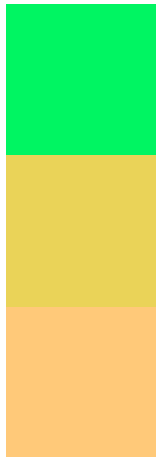


This preview shows how white text looks on a background with the Yxy color 66.1867, 0.2822, 0.5358.

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

66.1867, 0.2822, 0.5358

Protanopia

64.7855, 0.4142, 0.4550

Deuteranopia

64.4138, 0.4175, 0.4101



Tritanopia

65.9123, 0.2334, 0.3066

Trichromacy



Original Color

66.1867, 0.2822, 0.5358



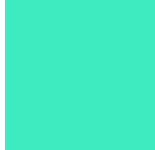
Protanomaly

59.9376, 0.3387, 0.4986



Deuteranomaly

58.4993, 0.3392, 0.4648



Tritanomaly

64.2911, 0.2485, 0.3866

Monochromacy



Original Color

66.1867, 0.2822, 0.5358



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.3403, 0.2838, 0.4173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1867, 0.2822, 0.5358 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, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 98)  
}
```

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, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 98) }
```

Border

The CSS property to change the border of an element to Yxy 66.1867, 0.2822, 0.5358 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, 245, 98) }
```

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

```
.border{ border-color:rgb(0, 245, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 245, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 66.1867, 0.2822, 0.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 98) }
```

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

```
.background{ background-color: rgb(0, 245,  
98) }
```

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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