

Converting Colors

$Yxy(66.4243, 0.3016, 0.5668)$

Have a look what the booklet for
Yxy(66.4243, 0.3016, 0.5668)
contains.

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Color

$\text{Yxy}(66.6659, 0.3018, 0.5671)$

Conversions

Conversions Part 1

Format	Color
Hex	3EF53D
RGB	62, 245, 61
RGB Percent	24%, 96%, 24%
CMY	0.7571, 0.0392, 0.7608
CMYK	0.75, 0.00, 0.75, 0.04
HSL	120°, 90%, 60%
HSV	120°, 75%, 96%
XYZ	35.4783, 66.6659, 15.4116
YIQ	169.3070, -50.0040, -96.0200

Conversions

Conversions Part 2

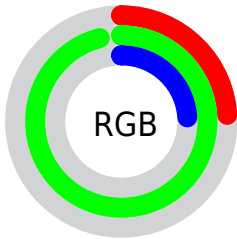
Format	Color
RYB	61, 245, 244
Decimal	4126013
CIELab	85.33, -76.78, 70.49
CIELCh	85, 104.228, 137.448
Yxy	66.6659, 0.3018, 0.5671
Android (android.graphics.Color)	4282316093 (0xFF3EF53D)
YUV	169.3070, -53.3954, -94.1082
Hunter-Lab	81.6492, -65.3240, 45.9632

Details

The Yxy color **66.6659, 0.3018, 0.5671** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.1754, 0.3193, 0.1679**, and the grayscale version is **40.1174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1944, 0.3132, 0.4952**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.8438, 0.3008, 0.5866**, and if you desaturate by 10%, it is **67.9669, 0.3031, 0.5396**.

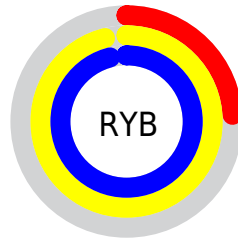
Distribution



Red (24%)

Green (96%)

Blue (24%)



Red (24%)

Yellow (96%)

Blue (96%)

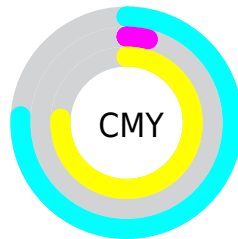


Cyan (75%)

Magenta (0%)

Yellow (75%)

Black (4%)



Cyan (76%)


Magenta (4%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6659, 0.3018, 0.5671 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 66.6659, 0.3018, 0.5671 by changing the saturation by 10% instead.


 66.6659, 0.3018,
0.5671


 66.6659, 0.3018,
0.5671


448.7546, 0.3167,
0.4468

 48.8132, 0.2952,
0.5955


 114.4415, 0.3094,
0.5242

 34.4713, 0.2853,
0.6302


 145.1333, 0.3117,
0.5077


 23.2559, 0.2701,
0.6729


 180.8734, 0.3133,
0.4937

 14.7826, 0.2468,
0.7268


 222.0464, 0.3144,
0.4817

 8.6669, 0.2093,
0.7907

 269.0366, 0.3153,
0.4712

 4.5246, 0.1489,
0.8511

322.2285, 0.3159,

 1.9711, 0.0000,

0.4620

1.0000

382.0063, 0.3164,
0.4539

■ 0.5906, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6659, 0.3018,
0.5671

■ 66.6659, 0.3018,
0.5671

■ 65.8438, 0.3008,
0.5866

■ 67.9669, 0.3031,
0.5396


■ 65.4231, 0.3002,
0.5972


■ 69.7949, 0.3047,
0.5065


■ 65.3177, 0.3001,
0.5999

■ 72.2012, 0.3064,
0.4707

■ 75.2290, 0.3080,
0.4347

 78.9172, 0.3096,
0.4006

 83.3017, 0.3109,
0.3695

 88.4155, 0.3122,
0.3418

 93.7896, 0.3132,
0.3194

Harmonies

Analogous

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



66.6659, 0.4117, 0.5412



66.6659, 0.3018, 0.5671



66.6659, 0.1998, 0.4658

Triad

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



66.6659, 0.3018, 0.5671



66.6659, 0.1323, 0.1633



66.6659, 0.5232, 0.2975

Complementary

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



66.6659, 0.3018, 0.5671



29.1754, 0.3193, 0.1679

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.



66.6659, 0.4094, 0.2298



66.6659, 0.3018, 0.5671



66.6659, 0.1834, 0.1568

Square

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



66.6659, 0.3018, 0.5671



66.6659, 0.1166, 0.2080



66.6659, 0.2781, 0.1800



66.6659, 0.5554, 0.3730

Rectangle

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



66.6659, 0.3018, 0.5671



66.6659, 0.1519, 0.3592



66.6659, 0.2781, 0.1800



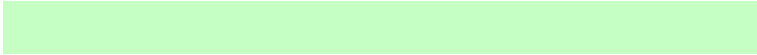
66.6659, 0.4921, 0.2738

Sweetspot

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



66.6687, 0.3018, 0.5671



87.3446, 0.3098, 0.3940



83.2200, 0.4126, 0.4889



18.3519, 0.3093, 0.4058



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.



66.6687, 0.3018, 0.5671



71.8210, 0.3005, 0.5931



68.5016, 0.2699, 0.4612



18.4761, 0.3116, 0.3535



35.1872, 0.3001, 0.5999



3.0940, 0.3004, 0.5997

Inverse Universe

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



29.1754, 0.3193, 0.1679



28.9748, 0.3196, 0.1564



25.1539, 0.4341, 0.2409



16.7637, 0.3137, 0.3057



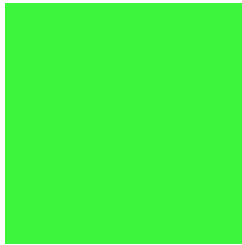
13.8904, 0.3196, 0.1535



1.2222, 0.3198, 0.1535

Previews

White Background



This preview shows how the Yxy color 66.6659, 0.3018, 0.5671 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 66.6659, 0.3018, 0.5671 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 66.6659, 0.3018, 0.5671

Background



This preview shows how black text looks on a background with the Yxy color 66.6659, 0.3018, 0.5671.

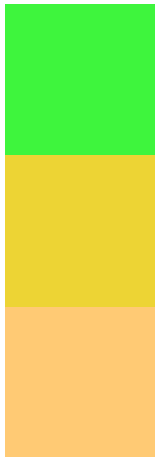


This preview shows how white text looks on a background with the Yxy color 66.6659, 0.3018, 0.5671.

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

66.6659, 0.3018, 0.5671

Protanopia

65.3394, 0.4308, 0.4763

Deuteranopia

64.7620, 0.4204, 0.4156



Tritanopia

65.8470, 0.2395, 0.3056

Trichromacy



Original Color

66.6659, 0.3018, 0.5671



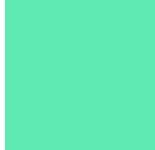
Protanomaly

62.4714, 0.3703, 0.5190



Deuteranomaly

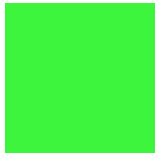
61.3016, 0.3661, 0.4756



Tritanomaly

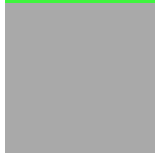
64.5871, 0.2651, 0.4040

Monochromacy



Original Color

66.6659, 0.3018, 0.5671



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.2900, 0.3080, 0.4294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6659, 0.3018, 0.5671 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(62, 245, 61)` looks like.

```
.text, #text, p{  
    color:rgb(62, 245, 61)  
}
```

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(62, 245, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 245, 61) }
```

Border

The CSS property to change the border of an element to Yxy 66.6659, 0.3018, 0.5671 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(62, 245, 61) }
```

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

```
.border{ border-color:rgb(62, 245, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 245, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 245, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 245, 61);  
box-shadow:4px 4px 4px 4px rgb(62, 245,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6659, 0.3018, 0.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 245, 61) }
```

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

```
.background{ background-color: rgb(62, 245,  
61) }
```

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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