

# Converting Colors

$Yxy(66.2422, 0.2966, 0.5491)$

Have a look what the booklet for  
Yxy(66.2422, 0.2966, 0.5491)  
contains.

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# Color

**Yxy(66.3196, 0.2964, 0.5488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EF451
RGB	62, 244, 81
RGB Percent	24%, 96%, 32%
CMY	0.7573, 0.0431, 0.6822
CMYK	0.75, 0.00, 0.67, 0.04
HSL	126°, 89%, 60%
HSV	126°, 75%, 96%
XYZ	35.8184, 66.3196, 18.7068
YIQ	171.0000, -56.1490, -89.2770

# Conversions

## Conversions Part 2

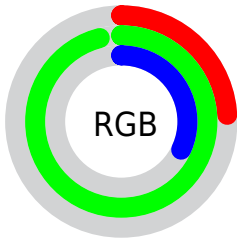
Format	Color
<a href="#">RYB</a>	62, 227, 244
Decimal	4125777
CIELab	85.16, -74.88, 63.23
CIELCh	85, 98.002, 139.821
Yxy	66.3196, 0.2964, 0.5488
Android (android.graphics.Color)	4282315857 (0xFF3EF451)
YUV	171.0000, -44.3700, -95.5930
Hunter-Lab	81.4368, -64.0048, 43.3864

# Details

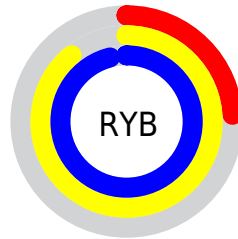
The Yxy color **66.3196, 0.2964, 0.5488** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.0949, 0.3405, 0.1819**, and the grayscale version is **40.9601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5604, 0.3053, 0.4757**, and **35.1444, 0.2989, 0.5959** is the 20% darker color. If you saturate the color by 10%, you get **65.4275, 0.2967, 0.5721**, and if you desaturate by 10%, it is **67.6760, 0.2970, 0.5199**.

# Distribution



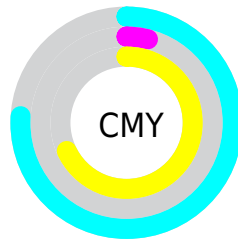
- Red (24%)
- Green (96%)
- Blue (32%)



- Red (24%)
- Yellow (89%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)




- Cyan (76%)
- Magenta (4%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3196, 0.2964, 0.5488 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 66.3196, 0.2964, 0.5488 by changing the saturation by 10% instead.





 66.3196, 0.2964,  
0.5488


 66.3196, 0.2964,  
0.5488


447.5190, 0.3120,  
0.4369


 48.5319, 0.2903,  
0.5758


 113.9449, 0.3038,  
0.5085

 34.2483, 0.2812,  
0.6095


 144.5513, 0.3061,  
0.4932

 23.0844, 0.2675,  
0.6517


 180.1994, 0.3078,  
0.4802

 14.6558, 0.2459,  
0.7049

 221.2736, 0.3091,  
0.4690

 8.5782, 0.2150,  
0.7850

268.1582, 0.3101,  
0.4594

 4.4671, 0.1550,  
0.8450

321.2378, 0.3109,

 1.9381, 0.0000,

0.4509

1.0000

380.8966, 0.3115,  
0.4435

■ 0.5712, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.3196, 0.2964,  
0.5488

■ 66.3196, 0.2964,  
0.5488

■ 65.4275, 0.2967,  
0.5721

■ 67.6760, 0.2970,  
0.5199


■ 64.9293, 0.2977,  
0.5883


■ 69.5397, 0.2985,  
0.4877


■ 64.7803, 0.2983,  
0.5940

■ 71.9576, 0.3005,  
0.4544

■ 74.9694, 0.3031,  
0.4219

 78.6107, 0.3058,  
0.3915

 82.9148, 0.3087,  
0.3639

 87.9122, 0.3115,  
0.3393

 93.1872, 0.3132,  
0.3185

# Harmonies

## Analogous

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



66.3196, 0.4021, 0.5367



66.3196, 0.2964, 0.5488



66.3196, 0.2000, 0.4455

# Triad

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



66.3196, 0.2964, 0.5488



66.3196, 0.1422, 0.1689



66.3196, 0.5172, 0.3061

# Complementary

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



66.3196, 0.2964, 0.5488



28.0949, 0.3405, 0.1819

# 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.



66.3196, 0.4144, 0.2394



66.3196, 0.2964, 0.5488



66.3196, 0.1951, 0.1646

# Square

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



66.3196, 0.2964, 0.5488



66.3196, 0.1245, 0.2095



66.3196, 0.2894, 0.1893



66.3196, 0.5427, 0.3803



# Rectangle

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



66.3196, 0.2964, 0.5488



66.3196, 0.1557, 0.3471



66.3196, 0.2894, 0.1893



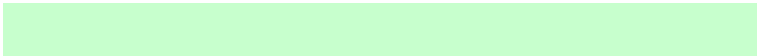
66.3196, 0.4897, 0.2827

# Sweetspot

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



66.3223, 0.2964, 0.5488



88.0468, 0.3066, 0.3841



81.1896, 0.3970, 0.4996



18.5853, 0.3058, 0.3919



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.



66.3223, 0.2964, 0.5488



71.9604, 0.2972, 0.5820



68.6738, 0.2606, 0.4291



18.5004, 0.3101, 0.3508



35.2301, 0.2979, 0.5926



3.1056, 0.2937, 0.5774



# Inverse Universe

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



28.0949, 0.3405, 0.1819



27.7376, 0.3465, 0.1716



24.4091, 0.4663, 0.2624



16.7365, 0.3154, 0.3081



13.2316, 0.3494, 0.1698

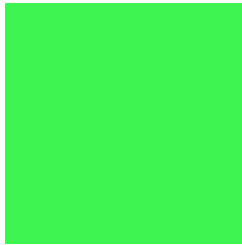


1.1714, 0.3453, 0.1676



# Previews

## White Background



This preview shows how the Yxy color 66.3196, 0.2964, 0.5488 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 66.3196, 0.2964, 0.5488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

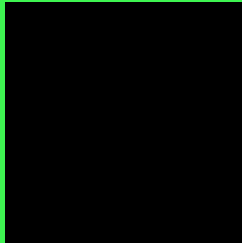
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3196, 0.2964, 0.5488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3196, 0.2964, 0.5488.



This preview shows how white text looks on a background with the Yxy color 66.3196, 0.2964, 0.5488.

# 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

66.3196, 0.2964, 0.5488

### Protanopia

64.8893, 0.4234, 0.4652

### Deuteranopia

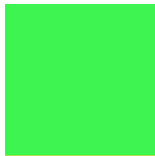
64.8091, 0.4190, 0.4138



## Tritanopia

65.7796, 0.2391, 0.3056

# Trichromacy



## Original Color

66.3196, 0.2964, 0.5488



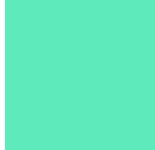
## Protanomaly

62.1676, 0.3639, 0.5040



## Deuteranomaly

60.9599, 0.3617, 0.4655



## Tritanomaly

64.8664, 0.2609, 0.3926

# Monochromacy



## Original Color

66.3196, 0.2964, 0.5488



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

47.0484, 0.3034, 0.4181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3196, 0.2964, 0.5488 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, 244, 81)` looks like.

```
.text, #text, p{  
    color:rgb(62, 244, 81)  
}
```

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, 244, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 244, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3196, 0.2964, 0.5488 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, 244, 81) }
```

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

```
.border{ border-color:rgb(62, 244, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 244, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 244, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 244, 81);  
box-shadow:4px 4px 4px 4px rgb(62, 244,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3196, 0.2964, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 244, 81) }
```

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

```
.background{ background-color: rgb(62, 244,  
81) }
```

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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