

# Converting Colors

$Yxy(66.3953, 0.2665, 0.4466)$

Have a look what the booklet for  
Yxy(66.3953, 0.2665, 0.4466)  
contains.

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# Color

**Yxy(66.4349, 0.2666, 0.4467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40F19D
RGB	64, 241, 157
RGB Percent	25%, 95%, 62%
CMY	0.7496, 0.0549, 0.3842
CMYK	0.74, 0.00, 0.35, 0.05
HSL	152°, 86%, 60%
HSV	152°, 74%, 95%
XYZ	39.6498, 66.4349, 42.6391
YIQ	178.5010, -78.5280, -63.6480

# Conversions

## Conversions Part 2

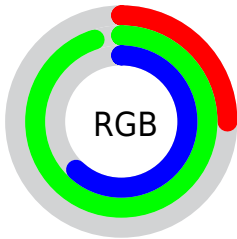
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 180, 241
Decimal	4256157
CIELab	85.22, -62.69, 28.19
CIELCh	85, 68.733, 155.786
Yxy	66.4349, 0.2666, 0.4467
Android (android.graphics.Color)	4282446237 (0xFF40F19D)
YUV	178.5010, -10.6000, -100.4174
Hunter-Lab	81.5076, -55.8062, 26.0389

# Details

The Yxy color **66.4349, 0.2666, 0.4467** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **24.4877, 0.4418, 0.2491**, and the grayscale version is **44.8701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4244, 0.2693, 0.3804**, and **35.3009, 0.2656, 0.4762** is the 20% darker color. If you saturate the color by 10%, you get **65.4262, 0.2666, 0.4654**, and if you desaturate by 10%, it is **67.8340, 0.2686, 0.4279**.

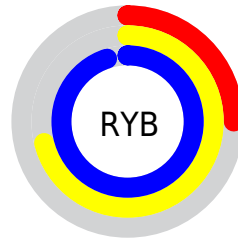
# Distribution



Red (25%)

Green (95%)

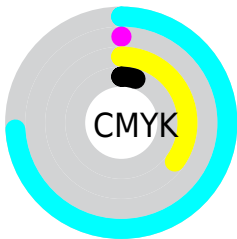
Blue (62%)



Red (25%)

Yellow (71%)

Blue (95%)

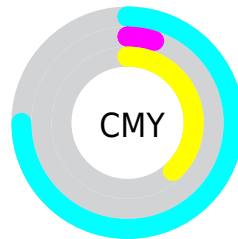


Cyan (74%)

Magenta (0%)

Yellow (35%)

Black (5%)



Cyan (75%)

Magenta (5%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4349, 0.2666, 0.4467 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 66.4349, 0.2666, 0.4467 by changing the saturation by 10% instead.





 66.4349, 0.2666,  
0.4467


 66.4349, 0.2666,  
0.4467


447.9306, 0.2903,  
0.3872

 48.6255, 0.2606,  
0.4616


 114.1103, 0.2753,  
0.4250


 34.3225, 0.2527,  
0.4806


 144.7451, 0.2786,  
0.4169

 23.1415, 0.2423,  
0.5058


 180.4239, 0.2813,  
0.4100

 14.6980, 0.2277,  
0.5406

 221.5310, 0.2836,  
0.4042

 8.6077, 0.2062,  
0.5908

268.4508, 0.2856,  
0.3991

 4.4862, 0.1721,  
0.6681

321.5678, 0.2874,

 1.9491, 0.0351,

0.3946

0.9649

381.2662, 0.2889,  
0.3907

■ 0.5776, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.4349, 0.2666,  
0.4467

■ 66.4349, 0.2666,  
0.4467

■ 65.4262, 0.2666,  
0.4654

■ 67.8340, 0.2686,  
0.4279


■ 64.7502, 0.2686,  
0.4834

■ 69.6564, 0.2726,  
0.4094


■ 64.4427, 0.2707,  
0.4946


■ 71.9402, 0.2781,  
0.3917

■ 74.7172, 0.2849,  
0.3750

 78.0161, 0.2926,  
0.3596

 81.8634, 0.3009,  
0.3457

 86.2837, 0.3096,  
0.3331

 90.9816, 0.3173,  
0.3218

 91.3972, 0.3133,  
0.3156

# Harmonies

## Analogous

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



66.4349, 0.3462, 0.4868



66.4349, 0.2666, 0.4467



66.4349, 0.2040, 0.3580

# Triad

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



66.4349, 0.2666, 0.4467



66.4349, 0.2020, 0.2027



66.4349, 0.4767, 0.3497

# Complementary

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



66.4349, 0.2666, 0.4467



24.4877, 0.4418, 0.2491

# 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.



66.4349, 0.4282, 0.2911



66.4349, 0.2666, 0.4467



66.4349, 0.2612, 0.2110

# Square

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



66.4349, 0.2666, 0.4467



66.4349, 0.1724, 0.2216



66.4349, 0.3444, 0.2422



66.4349, 0.4713, 0.4110



# Rectangle

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



66.4349, 0.2666, 0.4467



66.4349, 0.1793, 0.2985



66.4349, 0.3444, 0.2422



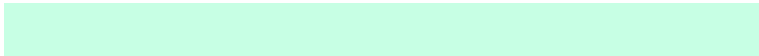
66.4349, 0.4663, 0.3295

# Sweetspot

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



66.4376, 0.2666, 0.4467



89.2722, 0.2938, 0.3576



69.7211, 0.3438, 0.5342



18.8715, 0.2916, 0.3615



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.



66.4376, 0.2666, 0.4467



73.9624, 0.2673, 0.4741



68.6202, 0.2301, 0.3250



17.7953, 0.3044, 0.3404



34.9697, 0.2700, 0.4918



2.9293, 0.2635, 0.4687



# Inverse Universe

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



24.4877, 0.4418, 0.2491



24.0252, 0.4810, 0.2499



23.0638, 0.5642, 0.3320



15.8836, 0.3219, 0.3179



10.8300, 0.5068, 0.2565

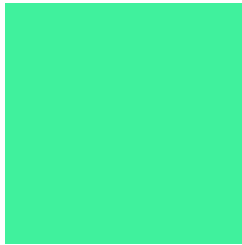


0.9209, 0.4759, 0.2395



# Previews

## White Background



This preview shows how the Yxy color 66.4349, 0.2666, 0.4467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

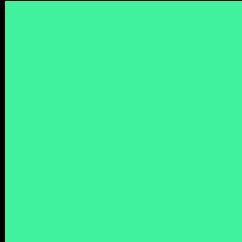
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4349, 0.2666, 0.4467 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

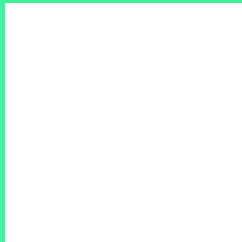
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.4349, 0.2666, 0.4467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4349, 0.2666, 0.4467.



This preview shows how white text looks on a background with the Yxy color 66.4349, 0.2666, 0.4467.

# 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

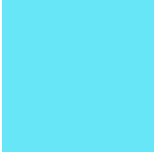
66.4349, 0.2666, 0.4467

### Protanopia

65.0961, 0.3742, 0.4038

### Deuteranopia

64.7684, 0.3766, 0.3676



## **Tritanopia**

66.2545, 0.2353, 0.3067

# Trichromacy



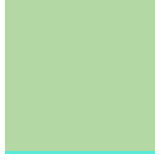
## Original Color

66.4349, 0.2666, 0.4467



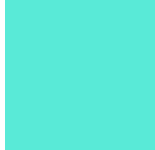
## Protanomaly

62.7373, 0.3213, 0.4226



## Deuteranomaly

61.4594, 0.3218, 0.3957



## Tritanomaly

65.8758, 0.2459, 0.3536

# Monochromacy



## Original Color

66.4349, 0.2666, 0.4467



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

49.9098, 0.2861, 0.3729

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4349, 0.2666, 0.4467 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(64, 241, 157)` looks like.

```
.text, #text, p{  
    color:rgb(64, 241, 157)  
}
```

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(64, 241, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 241, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4349, 0.2666, 0.4467 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(64, 241, 157) }
```

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

```
.border{ border-color:rgb(64, 241, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 241, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 241, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 241, 157);  
box-shadow:4px 4px 4px 4px rgb(64, 241,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4349, 0.2666, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 241, 157) }
```

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

```
.background{ background-color: rgb(64, 241,  
157) }
```

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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