

# Converting Colors

$Y_{xy}(67.0590, 0.2688, 0.4510)$

Have a look what the booklet for  
Yxy(67.0590, 0.2688, 0.4510)  
contains.

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# Color

**Yxy(67.0641, 0.2685, 0.4504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43F29B
RGB	67, 242, 155
RGB Percent	26%, 95%, 61%
CMY	0.7376, 0.0509, 0.3921
CMYK	0.72, 0.00, 0.36, 0.05
HSL	150°, 87%, 61%
HSV	150°, 72%, 95%
XYZ	39.9794, 67.0641, 41.8555
YIQ	179.7570, -76.3730, -64.1570

# Conversions

## Conversions Part 2

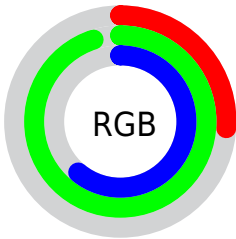
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 183, 242
Decimal	4453019
CIELab	85.54, -63.03, 29.64
CIELCh	86, 69.649, 154.812
Yxy	67.0641, 0.2685, 0.4504
Android (android.graphics.Color)	4282643099 (0xFF43F29B)
YUV	179.7570, -12.2052, -98.8879
Hunter-Lab	81.8927, -56.1698, 27.0216

# Details

The Yxy color **67.0641, 0.2685, 0.4504** 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 **25.2114, 0.4327, 0.2455**, and the grayscale version is **45.5898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4915, 0.2711, 0.3828**, and **35.6772, 0.2670, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **65.9999, 0.2684, 0.4700**, and if you desaturate by 10%, it is **68.5308, 0.2706, 0.4307**.

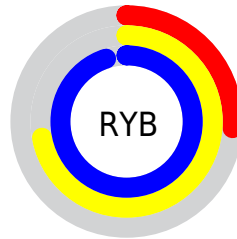
# Distribution



Red (26%)

Green (95%)

Blue (61%)



Red (26%)

Yellow (72%)

Blue (95%)

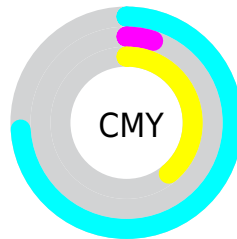


Cyan (72%)

Magenta (0%)

Yellow (36%)

Black (5%)



Cyan (74%)

Magenta (5%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0641, 0.2685, 0.4504 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 67.0641, 0.2685, 0.4504 by changing the saturation by 10% instead.




 67.0641, 0.2685,  
0.4504


 67.0641, 0.2685,  
0.4504


450.1729, 0.2914,  
0.3891

 49.1367, 0.2626,  
0.4657


 115.0123, 0.2770,  
0.4281


 34.7279, 0.2550,  
0.4853


 145.8018, 0.2801,  
0.4197

 23.4534, 0.2447,  
0.5112


 181.6476, 0.2828,  
0.4126

 14.9286, 0.2303,  
0.5469

 222.9339, 0.2850,  
0.4066

 8.7693, 0.2090,  
0.5983

270.0452, 0.2869,  
0.4013

 4.5910, 0.1750,  
0.6767

323.3659, 0.2886,

 2.0094, 0.0457,

0.3967

0.9543

383.2803, 0.2901,  
0.3927

■ 0.6129, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.0641, 0.2685,  
0.4504

■ 67.0641, 0.2685,  
0.4504

■ 65.9999, 0.2684,  
0.4700

■ 68.5308, 0.2706,  
0.4307


■ 65.2811, 0.2704,  
0.4888

■ 70.4326, 0.2745,  
0.4113


■ 64.9094, 0.2729,  
0.5025

■ 72.8079, 0.2800,  
0.3928

■ 75.6883, 0.2867,  
0.3754

 79.1027, 0.2942,  
0.3594

 83.0778, 0.3023,  
0.3449

 87.6384, 0.3107,  
0.3319

 91.7474, 0.3156,  
0.3202

 91.9896, 0.3133,  
0.3166

# Harmonies

## Analogous

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



67.0641, 0.3490, 0.4886



67.0641, 0.2685, 0.4504



67.0641, 0.2046, 0.3613

# Triad

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



67.0641, 0.2685, 0.4504



67.0641, 0.1996, 0.2019



67.0641, 0.4776, 0.3476

# Complementary

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



67.0641, 0.2685, 0.4504



25.2114, 0.4327, 0.2455

# 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.



67.0641, 0.4270, 0.2889



67.0641, 0.2685, 0.4504



67.0641, 0.2583, 0.2094

# Square

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



67.0641, 0.2685, 0.4504



67.0641, 0.1708, 0.2218



67.0641, 0.3418, 0.2402



67.0641, 0.4737, 0.4094



# Rectangle

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



67.0641, 0.2685, 0.4504



67.0641, 0.1790, 0.3007



67.0641, 0.3418, 0.2402



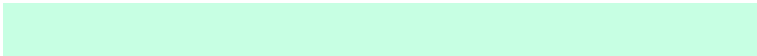
67.0641, 0.4665, 0.3274

# Sweetspot

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



67.0668, 0.2685, 0.4504



89.2017, 0.2944, 0.3590



70.8287, 0.3458, 0.5304



18.8548, 0.2923, 0.3632



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.



67.0668, 0.2685, 0.4504



73.8836, 0.2691, 0.4793



71.1109, 0.2316, 0.3288



17.7891, 0.3047, 0.3410



34.8946, 0.2721, 0.4996



2.9230, 0.2655, 0.4756



# Inverse Universe

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



25.2114, 0.4327, 0.2455



24.3502, 0.4701, 0.2448



23.2860, 0.5612, 0.3297



15.8898, 0.3215, 0.3173



10.9000, 0.4972, 0.2513

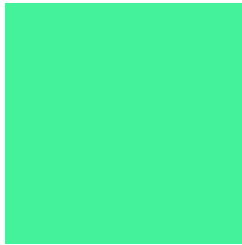


0.9269, 0.4677, 0.2350



# Previews

## White Background



This preview shows how the Yxy color 67.0641, 0.2685, 0.4504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

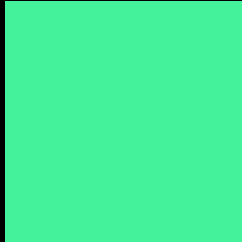
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0641, 0.2685, 0.4504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

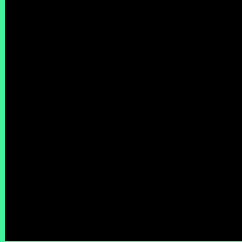
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0641, 0.2685, 0.4504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0641, 0.2685, 0.4504.

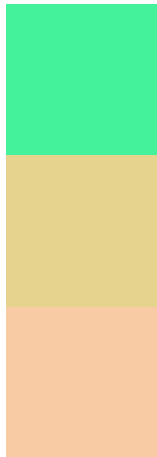


This preview shows how white text looks on a background with the Yxy color 67.0641, 0.2685, 0.4504.

# 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

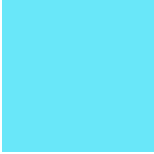
67.0641, 0.2685, 0.4504

### Protanopia

65.8630, 0.3769, 0.4065

### Deuteranopia

65.3487, 0.3786, 0.3706



## **Tritanopia**

66.9946, 0.2359, 0.3068

# Trichromacy



## Original Color

67.0641, 0.2685, 0.4504



## Protanomaly

63.5399, 0.3245, 0.4256



## Deuteranomaly

62.1440, 0.3245, 0.3990



## Tritanomaly

66.5471, 0.2468, 0.3549

# Monochromacy



## Original Color

67.0641, 0.2685, 0.4504



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

51.1411, 0.2876, 0.3738

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0641, 0.2685, 0.4504 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(67, 242, 155)` looks like.

```
.text, #text, p{  
    color:rgb(67, 242, 155)  
}
```

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(67, 242, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 242, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0641, 0.2685, 0.4504 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(67, 242, 155) }
```

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

```
.border{ border-color:rgb(67, 242, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 242, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 242, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 242, 155);  
box-shadow:4px 4px 4px 4px rgb(67, 242,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0641, 0.2685, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 242, 155) }
```

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

```
.background{ background-color: rgb(67, 242,  
155) }
```

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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