

# Converting Colors

$Y_{xy}(67.3512, 0.2996, 0.5927)$

Have a look what the booklet for  
Yxy(67.3512, 0.2996, 0.5927)  
contains.

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# Color

**Yxy(67.3627, 0.2996, 0.5927)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14F81B
RGB	20, 248, 27
RGB Percent	8%, 97%, 11%
CMY	0.9222, 0.0274, 0.8943
CMYK	0.92, 0.00, 0.89, 0.03
HSL	122°, 94%, 53%
HSV	122°, 92%, 97%
XYZ	34.0507, 67.3627, 12.2405
YIQ	154.6340, -64.9470, -117.0670

# Conversions

## Conversions Part 2

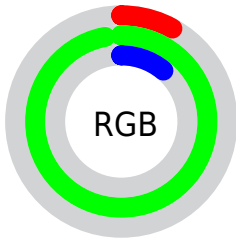
Format	Color
<a href="#">RYB</a>	<a href="#">20, 241, 248</a>
Decimal	<a href="#">1374235</a>
CIELab	<a href="#">85.69, -83.19, 78.80</a>
CIELCh	<a href="#">86, 114.586, 136.555</a>
Yxy	<a href="#">67.3627, 0.2996, 0.5927</a>
Android (android.graphics.Color)	<a href="#">4279564315</a> ( <a href="#">0xFF14F81B</a> )
YUV	<a href="#">154.6340, -62.9236, -118.0740</a>
Hunter-Lab	<a href="#">82.0748, -69.5758, 48.6099</a>

# Details

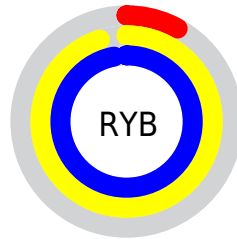
The Yxy color **67.3627, 0.2996, 0.5927** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.7973, 0.3282, 0.1604**, and the grayscale version is **32.8903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4858, 0.3132, 0.5220**, and **36.8269, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.1565, 0.2996, 0.5986**, and if you desaturate by 10%, it is **67.9282, 0.2997, 0.5779**.

# Distribution



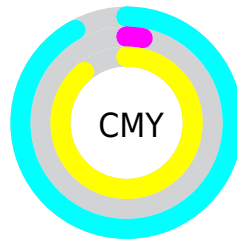
- Red (8%)
- Green (97%)
- Blue (11%)



- Red (8%)
- Yellow (95%)
- Blue (97%)



- Cyan (92%)
- Magenta (0%)
- Yellow (89%)
- Black (3%)




- Cyan (92%)
- Magenta (3%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3627, 0.2996, 0.5927 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 67.3627, 0.2996, 0.5927 by changing the saturation by 10% instead.




 67.3627, 0.2996,  
0.5927

 67.3627, 0.2996,  
0.5927


 451.2347, 0.3182,  
0.4603

 49.3794, 0.2914,  
0.6230


 115.4400, 0.3092,  
0.5461

 34.9206, 0.2792,  
0.6594


 146.3028, 0.3120,  
0.5280


 23.6017, 0.2607,  
0.7029


 182.2275, 0.3140,  
0.5125

 15.0384, 0.2357,  
0.7643

 223.5987, 0.3154,  
0.4992

 8.8464, 0.1895,  
0.8105

 270.8006, 0.3165,  
0.4876

 4.6411, 0.1265,  
0.8735

 324.2176, 0.3173,

 2.0383, 0.0000,

0.4774

1.0000

384.2342, 0.3178,  
0.4684

■ 0.6296, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.3627, 0.2996,  
0.5927

■ 67.3627, 0.2996,  
0.5927


■ 67.1565, 0.2996,  
0.5986


■ 67.9282, 0.2997,  
0.5779


■ 68.9291, 0.3004,  
0.5548


■ 70.4336, 0.3016,  
0.5249

■ 72.4962, 0.3032,  
0.4910

 75.1643, 0.3050,  
0.4556

 78.4802, 0.3069,  
0.4210

 82.4825, 0.3089,  
0.3887

 87.2067, 0.3107,  
0.3595

 92.6860, 0.3124,  
0.3337

# Harmonies

## Analogous

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



67.3627, 0.4162, 0.5524



67.3627, 0.2996, 0.5927



67.3627, 0.1915, 0.4859

# Triad

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



67.3627, 0.2996, 0.5927



67.3627, 0.1202, 0.1526



67.3627, 0.5395, 0.2902

# Complementary

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



67.3627, 0.2996, 0.5927



26.7973, 0.3282, 0.1604

# 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.



67.3627, 0.4131, 0.2203



67.3627, 0.2996, 0.5927



67.3627, 0.1718, 0.1457

# Square

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



67.3627, 0.2996, 0.5927



67.3627, 0.1046, 0.1994



67.3627, 0.2706, 0.1690



67.3627, 0.5741, 0.3678



# Rectangle

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



67.3627, 0.2996, 0.5927



67.3627, 0.1409, 0.3654



67.3627, 0.2706, 0.1690



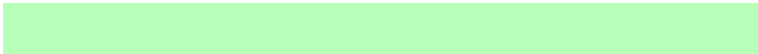
67.3627, 0.5049, 0.2658

# Sweetspot

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



67.3655, 0.2996, 0.5927



85.1987, 0.3077, 0.4079



86.4592, 0.4153, 0.5052



17.8638, 0.3069, 0.4222



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.



67.3655, 0.2996, 0.5927



71.5374, 0.2996, 0.5987



69.1137, 0.2691, 0.4840



19.3180, 0.3111, 0.3527



36.2791, 0.2995, 0.5981



3.3631, 0.2982, 0.5934



# Inverse Universe

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



26.7973, 0.3282, 0.1604



27.9787, 0.3290, 0.1586



22.0675, 0.4874, 0.2501



17.5147, 0.3143, 0.3064



14.1919, 0.3289, 0.1585

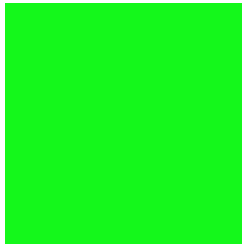


1.3173, 0.3278, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 67.3627, 0.2996, 0.5927 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 67.3627, 0.2996, 0.5927 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 67.3627, 0.2996, 0.5927**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3627, 0.2996, 0.5927.

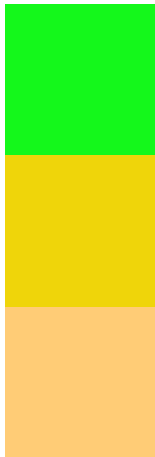


This preview shows how white text looks on a background with the Yxy color 67.3627, 0.2996, 0.5927.

# 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

67.3627, 0.2996, 0.5927

### Protanopia

65.9611, 0.4394, 0.4875

### Deuteranopia

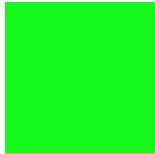
65.7537, 0.4178, 0.4156



## Tritanopia

66.9946, 0.2359, 0.3068

# Trichromacy



## Original Color

67.3627, 0.2996, 0.5927



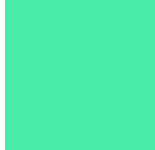
## Protanomaly

61.8011, 0.3660, 0.5439



## Deuteranomaly

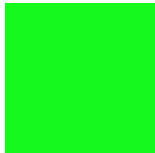
60.2773, 0.3579, 0.4949



## Tritanomaly

64.8514, 0.2635, 0.4253

# Monochromacy



## Original Color

67.3627, 0.2996, 0.5927



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

40.5421, 0.3051, 0.4608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3627, 0.2996, 0.5927 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(20, 248, 27)` looks like.

```
.text, #text, p{  
    color:rgb(20, 248, 27)  
}
```

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(20, 248, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 248, 27) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3627, 0.2996, 0.5927 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(20, 248, 27) }
```

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

```
.border{ border-color:rgb(20, 248, 27) }
```

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

Here you see how a box with a 4 pixel rgb(20, 248, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 248, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 248, 27);  
box-shadow:4px 4px 4px 4px rgb(20, 248,  
27) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3627, 0.2996, 0.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 248, 27) }
```

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

```
.background{ background-color: rgb(20, 248,  
27) }
```

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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