

# Converting Colors

Yxy(66.7351, 0.3458, 0.5450)

Have a look what the booklet for  
Yxy(66.7351, 0.3458, 0.5450)  
contains.

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# Color

**Yxy(66.7029, 0.3458, 0.5452)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 90ED2F                     |
| RGB         | 144, 237, 47               |
| RGB Percent | 56%, 93%, 18%              |
| CMY         | 0.4351, 0.0706, 0.8156     |
| CMYK        | 0.39, 0.00, 0.80, 0.07     |
| HSL         | 89°, 84%, 56%              |
| HSV         | 89°, 80%, 93%              |
| XYZ         | 42.3072, 66.7029, 13.3357  |
| YIQ         | 187.5330, 5.5620, -78.8060 |

# Conversions

## Conversions Part 2

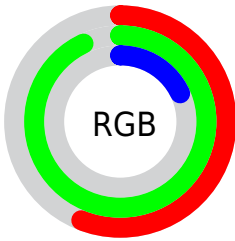
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">47, 237, 140</a>                     |
| Decimal                             | <a href="#">9497903</a>                          |
| CIELab                              | <a href="#">85.35, -55.11, 75.43</a>             |
| CIELCh                              | <a href="#">85, 93.411, 126.152</a>              |
| Yxy                                 | <a href="#">66.7029, 0.3458,<br/>0.5452</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4287687983<br/>(0xFF90ED2F)</a>      |
| YUV                                 | <a href="#">187.5330, -69.2828,<br/>-38.1784</a> |
| Hunter-Lab                          | <a href="#">81.6718, -50.4602,<br/>47.4892</a>   |

# Details

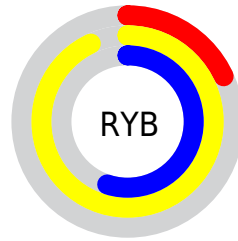
The Yxy color **66.7029, 0.3458, 0.5452** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **13.7203, 0.2219, 0.1123**, and the grayscale version is **50.4190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4832, 0.3589, 0.4833**, and **34.4815, 0.3316, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **65.5721, 0.3422, 0.5606**, and if you desaturate by 10%, it is **68.0505, 0.3472, 0.5244**.

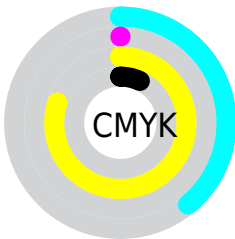
# Distribution



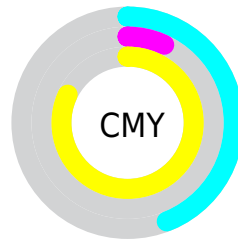
- Red (56%)
- Green (93%)
- Blue (18%)



- Red (18%)
- Yellow (93%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (80%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7029, 0.3458, 0.5452 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 66.7029, 0.3458, 0.5452 by changing the saturation by 10% instead.





 66.7029, 0.3458,  
0.5452


 66.7029, 0.3458,  
0.5452


448.8865, 0.3399,  
0.4401

 48.8432, 0.3438,  
0.5686


 114.4946, 0.3463,  
0.5088


 34.4951, 0.3394,  
0.5964


 145.1954, 0.3457,  
0.4945


 23.2742, 0.3309,  
0.6294


 180.9454, 0.3449,  
0.4822

 14.7961, 0.3176,  
0.6736

 222.1289, 0.3439,  
0.4715

 8.6764, 0.2871,  
0.7129

 269.1304, 0.3429,  
0.4622

 4.5307, 0.2386,  
0.7614

322.3342, 0.3419,

 1.9747, 0.1204,

0.4539

0.8796

382.1248, 0.3409,  
0.4466

■ 0.5927, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.7029, 0.3458,  
0.5452

■ 66.7029, 0.3458,  
0.5452

■ 65.5721, 0.3422,  
0.5606


■ 68.0505, 0.3472,  
0.5244


■ 64.6348, 0.3370,  
0.5706


■ 69.6239, 0.3463,  
0.4990

■ 71.4413, 0.3434,  
0.4707


■ 73.5165, 0.3388,  
0.4409

 75.8617, 0.3331,  
0.4110

 78.4886, 0.3266,  
0.3820

 81.4078, 0.3198,  
0.3546

 84.6294, 0.3128,  
0.3294

 87.8158, 0.3092,  
0.3114

# Harmonies

## Analogous

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



66.7029, 0.4436, 0.5003



66.7029, 0.3458, 0.5452



66.7029, 0.2450, 0.4952

# Triad

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



66.7029, 0.3458, 0.5452



66.7029, 0.1363, 0.1880



66.7029, 0.4698, 0.2772

# Complementary

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



66.7029, 0.3458, 0.5452



13.7203, 0.2219, 0.1123

# 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.



66.7029, 0.3544, 0.2182



66.7029, 0.3458, 0.5452



66.7029, 0.1716, 0.1687

# Square

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



66.7029, 0.3458, 0.5452



66.7029, 0.1340, 0.2490



66.7029, 0.2445, 0.1801



66.7029, 0.5318, 0.3470



# Rectangle

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



66.7029, 0.3458, 0.5452



66.7029, 0.1898, 0.4101



66.7029, 0.2445, 0.1801



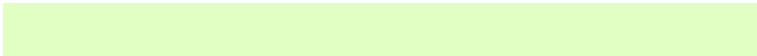
66.7029, 0.4344, 0.2559

# Sweetspot

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



66.7058, 0.3458, 0.5452



91.4235, 0.3292, 0.3932



36.6285, 0.5034, 0.4130



19.3328, 0.3315, 0.4036



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.



66.7058, 0.3458, 0.5452



76.7138, 0.3390, 0.5672



61.4538, 0.3018, 0.5774



17.2404, 0.3193, 0.3528



35.3683, 0.3382, 0.5697



2.8345, 0.3486, 0.5614



# Inverse Universe

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



13.7203, 0.2219, 0.1123



12.1835, 0.2026, 0.0902



25.6123, 0.3172, 0.1619



14.9106, 0.3056, 0.3052



5.4408, 0.2004, 0.0877

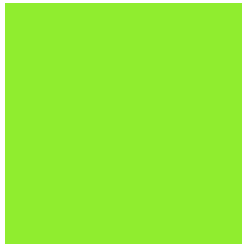


0.4843, 0.2155, 0.0961



# Previews

## White Background



This preview shows how the Yxy color 66.7029, 0.3458, 0.5452 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 66.7029, 0.3458, 0.5452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

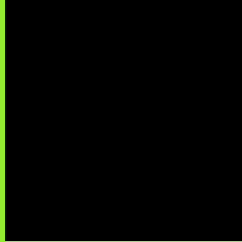
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7029, 0.3458, 0.5452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7029, 0.3458, 0.5452.

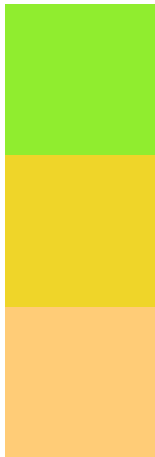


This preview shows how white text looks on a background with the Yxy color 66.7029, 0.3458, 0.5452.

# 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

66.7029, 0.3458, 0.5452

### Protanopia

66.0993, 0.4345, 0.4804

### Deuteranopia

65.7776, 0.4172, 0.4147



## Tritanopia

66.4320, 0.2692, 0.3090

# Trichromacy



## Original Color

66.7029, 0.3458, 0.5452



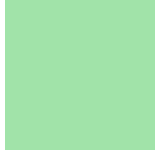
## Protanomaly

65.2543, 0.3993, 0.5063



## Deuteranomaly

64.3491, 0.3930, 0.4636



## Tritanomaly

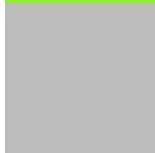
65.3798, 0.3040, 0.4029

# Monochromacy



## Original Color

66.7029, 0.3458, 0.5452



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

54.7194, 0.3347, 0.4201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7029, 0.3458, 0.5452 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(144, 237, 47)` looks like.

```
.text, #text, p{  
    color:rgb(144, 237, 47)  
}
```

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(144, 237, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 237, 47) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7029, 0.3458, 0.5452 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(144, 237, 47) }
```

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

```
.border{ border-color:rgb(144, 237, 47) }
```

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

Here you see how a box with a 4 pixel rgb(144, 237, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 237, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 237, 47);  
box-shadow:4px 4px 4px 4px rgb(144, 237,  
47) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7029, 0.3458, 0.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 237, 47) }
```

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

```
.background{ background-color: rgb(144,  
237, 47) }
```

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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