

# Converting Colors

Yxy(65.4316, 0.3426, 0.5662)

Have a look what the booklet for  
Yxy(65.4316, 0.3426, 0.5662)  
contains.

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**Color**

**Yxy(65.3142, 0.3424, 0.5663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82ED00
RGB	130, 237, 0
RGB Percent	51%, 93%, 0%
CMY	0.4902, 0.0706, 0.9992
CMYK	0.45, 0.00, 1.00, 0.07
HSL	87°, 100%, 47%
HSV	87°, 100%, 93%
XYZ	39.4907, 65.3142, 10.5301
YIQ	177.9890, 12.3050, -96.3910

# Conversions

## Conversions Part 2

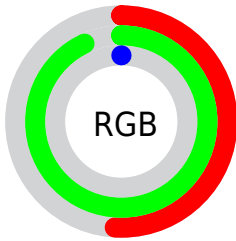
Format	Color
<b>RYB</b>	0, 237, 107
Decimal	8580352
CIELab	84.65, -60.72, 81.72
CIELCh	85, 101.812, 126.611
Yxy	65.3142, 0.3424, 0.5663
Android (android.graphics.Color)	4286770432 (0xFF82ED00)
YUV	177.9890, -87.7486, -42.0864
Hunter-Lab	80.8172, -54.2075, 48.8468

# Details

The Yxy color **65.3142, 0.3424, 0.5663** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.2569, 0.1919, 0.0831**, and the grayscale version is **44.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3346, 0.3580, 0.5048**, and **33.7663, 0.3200, 0.5841** is the 20% darker color. If you saturate the color by 10%, you get **65.3097, 0.3424, 0.5664**, and if you desaturate by 10%, it is **66.2735, 0.3474, 0.5563**.

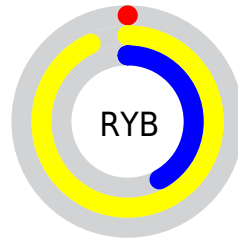
# Distribution



Red (51%)

Green (93%)

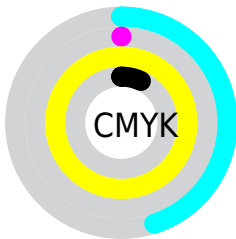
Blue (0%)



Red (0%)

Yellow (93%)

Blue (42%)

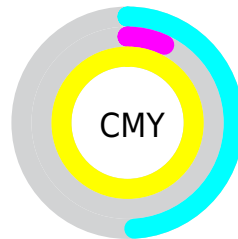


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (49%)

Magenta (7%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3142, 0.3424, 0.5663 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 65.3142, 0.3424, 0.5663 by changing the saturation by 10% instead.





 65.3142, 0.3424,  
0.5663


 65.3142, 0.3424,  
0.5663


443.9202, 0.3406,  
0.4511


 47.7159, 0.3387,  
0.5914


 112.5015, 0.3449,  
0.5267

 33.6020, 0.3318,  
0.6209


 142.8592, 0.3450,  
0.5111

 22.5880, 0.3195,  
0.6551


 178.2389, 0.3446,  
0.4976

 14.2896, 0.3007,  
0.6993

 219.0249, 0.3439,  
0.4858

 8.3223, 0.2634,  
0.7366

 265.6017, 0.3432,  
0.4755

 4.3019, 0.2096,  
0.7904

 318.3535, 0.3423,

 1.8438, 0.0309,

0.4664

0.9691

377.6649, 0.3414,  
0.4583

■ 0.5143, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.3142, 0.3424,  
0.5663

■ 65.3142, 0.3424,  
0.5663

■ 65.3097, 0.3424,  
0.5664

■ 66.2735, 0.3474,  
0.5563

■ 67.4002, 0.3506,  
0.5413

■ 68.7242, 0.3514,  
0.5210

■ 70.2625, 0.3499,  
0.4963

■ 72.0297, 0.3464,  
0.4685

■ 74.0388, 0.3412,  
0.4393

■ 76.3015, 0.3348,  
0.4098

■ 78.8288, 0.3277,  
0.3811

■ 81.6308, 0.3202,  
0.3540

# Harmonies

## Analogous

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



65.3142, 0.4479, 0.5116



65.3142, 0.3424, 0.5663



65.3142, 0.2354, 0.5127

# Triad

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



65.3142, 0.3424, 0.5663



65.3142, 0.1249, 0.1762



65.3142, 0.4863, 0.2729

# Complementary

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



65.3142, 0.3424, 0.5663



9.2569, 0.1919, 0.0831

# 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.



65.3142, 0.3595, 0.2107



65.3142, 0.3424, 0.5663



65.3142, 0.1622, 0.1575

# Square

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



65.3142, 0.3424, 0.5663



65.3142, 0.1214, 0.2389



65.3142, 0.2397, 0.1703



65.3142, 0.5511, 0.3455



# Rectangle

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



65.3142, 0.3424, 0.5663



65.3142, 0.1773, 0.4156



65.3142, 0.2397, 0.1703



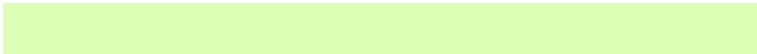
65.3142, 0.4476, 0.2504

# Sweetspot

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



65.3170, 0.3424, 0.5663



90.0377, 0.3349, 0.4103



28.4706, 0.5577, 0.3953



19.0223, 0.3378, 0.4228



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.



65.3170, 0.3424, 0.5663



77.0760, 0.3421, 0.5666



60.6497, 0.3008, 0.5993



17.2690, 0.3198, 0.3528



35.7343, 0.3435, 0.5655



2.8630, 0.3535, 0.5575



# Inverse Universe

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



9.2569, 0.1919, 0.0831



10.8801, 0.1914, 0.0828



22.1527, 0.3082, 0.1472



14.8822, 0.3051, 0.3051



5.1235, 0.1935, 0.0839

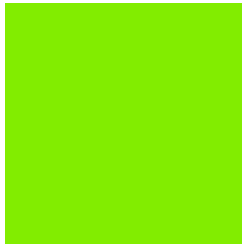


0.4587, 0.2088, 0.0924



# Previews

## White Background



This preview shows how the Yxy color 65.3142, 0.3424, 0.5663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

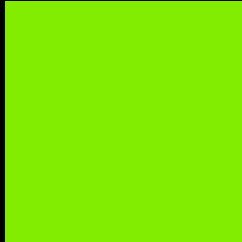
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3142, 0.3424, 0.5663 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 65.3142, 0.3424, 0.5663**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3142, 0.3424, 0.5663.



This preview shows how white text looks on a background with the Yxy color 65.3142, 0.3424, 0.5663.

# 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

65.3142, 0.3424, 0.5663

### Protanopia

64.0977, 0.4412, 0.4879

### Deuteranopia

64.0739, 0.4275, 0.4232



## Tritanopia

64.7304, 0.2628, 0.3075

# Trichromacy



## Original Color

65.3142, 0.3424, 0.5663



## Protanomaly

63.1922, 0.4017, 0.5193



## Deuteranomaly

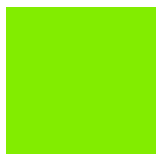
62.2121, 0.4017, 0.4836



## Tritanomaly

62.9556, 0.3056, 0.4268

# Monochromacy



## Original Color

65.3142, 0.3424, 0.5663



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

49.6162, 0.3435, 0.4474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3142, 0.3424, 0.5663 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(130, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 237, 0)  
}
```

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(130, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 237, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3142, 0.3424, 0.5663 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(130, 237, 0) }
```

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

```
.border{ border-color:rgb(130, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 237,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3142, 0.3424, 0.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 237, 0) }
```

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

```
.background{ background-color: rgb(130,  
237, 0) }
```

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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