

# Converting Colors

$Yxy(66.1483, 0.3407, 0.5590)$

Have a look what the booklet for  
Yxy(66.1483, 0.3407, 0.5590)  
contains.

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**Color**

**Yxy(66.1483, 0.3407, 0.5590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84EE1E
RGB	132, 238, 30
RGB Percent	52%, 93%, 12%
CMY	0.4826, 0.0666, 0.8824
CMYK	0.45, 0.00, 0.87, 0.07
HSL	91°, 86%, 53%
HSV	91°, 87%, 93%
XYZ	40.3161, 66.1483, 11.8688
YIQ	182.5940, 3.5920, -87.1600

# Conversions

## Conversions Part 2

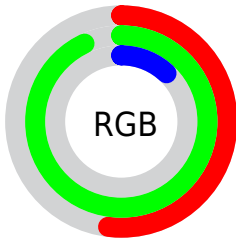
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 238, 136
Decimal	8711710
CIELab	85.07, -59.98, 78.72
CIElCh	85, 98.967, 127.302
Yxy	66.1483, 0.3407, 0.5590
Android (android.graphics.Color)	4286901790 (0xFF84EE1E)
YUV	182.5940, -75.2288, -44.3709
Hunter-Lab	81.3316, -53.8477, 48.2799

# Details

The Yxy color **66.1483, 0.3407, 0.5590** 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 **12.3407, 0.2166, 0.1026**, and the grayscale version is **47.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7583, 0.3560, 0.4969**, and **34.2767, 0.3215, 0.5829** is the 20% darker color. If you saturate the color by 10%, you get **65.1495, 0.3356, 0.5704**, and if you desaturate by 10%, it is **67.3572, 0.3439, 0.5418**.

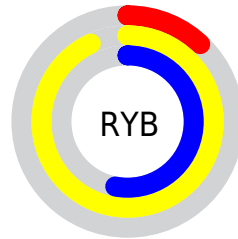
# Distribution



Red (52%)

Green (93%)

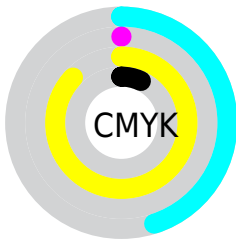
Blue (12%)



Red (12%)

Yellow (93%)

Blue (53%)

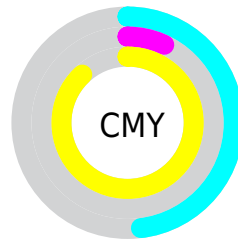


Cyan (45%)

Magenta (0%)

Yellow (87%)

Black (7%)



Cyan (48%)

Magenta (7%)


Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1483, 0.3407, 0.5590 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 66.1483, 0.3407, 0.5590 by changing the saturation by 10% instead.





 66.1483, 0.3407,  
0.5590


 66.1483, 0.3407,  
0.5590


446.9071, 0.3386,  
0.4469


 48.3928, 0.3374,  
0.5838


 113.6992, 0.3428,  
0.5203


 34.1381, 0.3312,  
0.6131


 144.2633, 0.3428,  
0.5050

 22.9997, 0.3202,  
0.6476


 179.8658, 0.3424,  
0.4919

 14.5933, 0.3044,  
0.6956

 220.8910, 0.3418,  
0.4805

 8.5344, 0.2680,  
0.7320

 267.7233, 0.3410,  
0.4705

 4.4388, 0.2155,  
0.7845

 320.7472, 0.3402,

 1.9219, 0.0596,

0.4617

0.9404

380.3470, 0.3394,  
0.4539

■ 0.5615, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.1483, 0.3407,  
0.5590

■ 66.1483, 0.3407,  
0.5590

■ 65.1495, 0.3356,  
0.5704


■ 67.3572, 0.3439,  
0.5418


■ 64.9149, 0.3342,  
0.5729

■ 68.7900, 0.3449,  
0.5193

■ 70.4671, 0.3437,  
0.4926


■ 72.4038, 0.3406,  
0.4633

 74.6141, 0.3360,  
0.4331

 77.1105, 0.3304,  
0.4031

 79.9048, 0.3242,  
0.3744

 83.0080, 0.3176,  
0.3475

 86.4305, 0.3110,  
0.3228

# Harmonies

## Analogous

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



66.1483, 0.4439, 0.5099



66.1483, 0.3407, 0.5590



66.1483, 0.2361, 0.5031

# Triad

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



66.1483, 0.3407, 0.5590



66.1483, 0.1295, 0.1794



66.1483, 0.4833, 0.2764

# Complementary

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



66.1483, 0.3407, 0.5590



12.3407, 0.2166, 0.1026

# 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.



66.1483, 0.3613, 0.2148



66.1483, 0.3407, 0.5590



66.1483, 0.1671, 0.1614

# Square

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



66.1483, 0.3407, 0.5590



66.1483, 0.1254, 0.2400



66.1483, 0.2442, 0.1745



66.1483, 0.5448, 0.3482



# Rectangle

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



66.1483, 0.3407, 0.5590



66.1483, 0.1798, 0.4093



66.1483, 0.2442, 0.1745



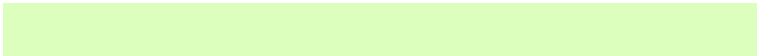
66.1483, 0.4462, 0.2542

# Sweetspot

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



66.1512, 0.3407, 0.5590



90.5834, 0.3296, 0.3992



35.3224, 0.5175, 0.4152



19.1596, 0.3317, 0.4095



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.



66.1512, 0.3407, 0.5590



75.8775, 0.3339, 0.5731



61.5269, 0.3005, 0.5898



18.0366, 0.3190, 0.3529



36.2875, 0.3353, 0.5720



3.0778, 0.3453, 0.5640



# Inverse Universe

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



12.3407, 0.2166, 0.1026



11.9684, 0.2024, 0.0888



25.2810, 0.3207, 0.1585



15.6249, 0.3060, 0.3052



5.8037, 0.2043, 0.0899

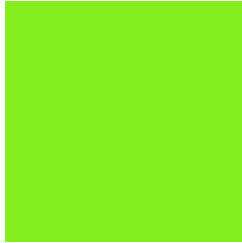


0.5420, 0.2184, 0.0977



# Previews

## White Background



This preview shows how the Yxy color 66.1483, 0.3407, 0.5590 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 66.1483, 0.3407, 0.5590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

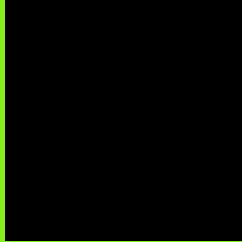
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

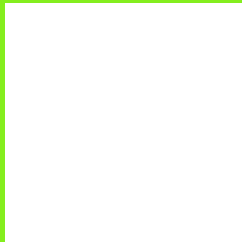
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.1483, 0.3407, 0.5590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1483, 0.3407, 0.5590.



This preview shows how white text looks on a background with the Yxy color 66.1483, 0.3407, 0.5590.

# 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

66.1483, 0.3407, 0.5590

### Protanopia

65.3183, 0.4383, 0.4858

### Deuteranopia

65.1641, 0.4218, 0.4191



## Tritanopia

65.5220, 0.2635, 0.3076

# Trichromacy



## Original Color

66.1483, 0.3407, 0.5590



## Protanomaly

63.9210, 0.3995, 0.5151



## Deuteranomaly

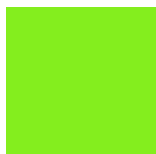
63.4379, 0.3939, 0.4742



## Tritanomaly

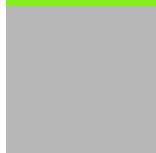
64.0665, 0.3005, 0.4126

# Monochromacy



## Original Color

66.1483, 0.3407, 0.5590



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

52.1367, 0.3357, 0.4322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1483, 0.3407, 0.5590 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(132, 238, 30)` looks like.

```
.text, #text, p{  
    color:rgb(132, 238, 30)  
}
```

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(132, 238, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 238, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1483, 0.3407, 0.5590 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(132, 238, 30) }
```

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

```
.border{ border-color:rgb(132, 238, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 238, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 238, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 238, 30);  
box-shadow:4px 4px 4px 4px rgb(132, 238,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1483, 0.3407, 0.5590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 238, 30) }
```

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

```
.background{ background-color: rgb(132,  
238, 30) }
```

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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