

# Converting Colors

$Yxy(65.1243, 0.3642, 0.5491)$

Have a look what the booklet for  
Yxy(65.1243, 0.3642, 0.5491)  
contains.

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**Color**

**Yxy(65.0842, 0.3641, 0.5491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE800
RGB	159, 232, 0
RGB Percent	62%, 91%, 0%
CMY	0.3764, 0.0902, 0.9998
CMYK	0.31, 0.00, 1.00, 0.09
HSL	79°, 100%, 45%
HSV	79°, 100%, 91%
XYZ	43.1564, 65.0842, 10.2883
YIQ	183.7250, 30.9640, -87.6280

# Conversions

## Conversions Part 2

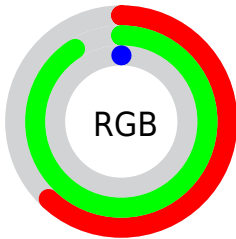
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 232, 73</a>
Decimal	<a href="#">10479616</a>
CIELab	<a href="#">84.53, -49.00, 82.23</a>
CIELCh	<a href="#">85, 95.723, 120.793</a>
Yxy	<a href="#">65.0842, 0.3641, 0.5491</a>
Android (android.graphics.Color)	<a href="#">4288669696 (0xFF9FE800)</a>
YUV	<a href="#">183.7250, -90.5764, -21.6838</a>
Hunter-Lab	<a href="#">80.6748, -45.6936, 48.9112</a>

# Details

The Yxy color **65.0842, 0.3641, 0.5491** 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 **7.2453, 0.1708, 0.0715**, and the grayscale version is **48.2754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3013, 0.3776, 0.4936**, and **33.7033, 0.3457, 0.5637** is the 20% darker color. If you saturate the color by 10%, you get **65.0855, 0.3641, 0.5491**, and if you desaturate by 10%, it is **65.9185, 0.3675, 0.5407**.

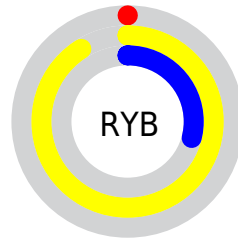
# Distribution



Red (62%)

Green (91%)

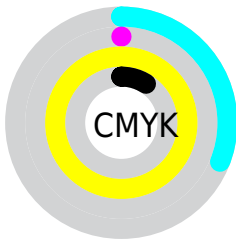
Blue (0%)



Red (0%)

Yellow (91%)

Blue (29%)

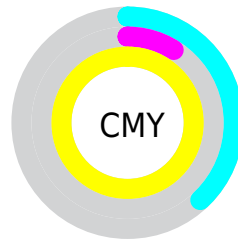


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (38%)

Magenta (9%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0842, 0.3641, 0.5491 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 65.0842, 0.3641, 0.5491 by changing the saturation by 10% instead.





 65.0842, 0.3641,  
0.5491


 65.0842, 0.3641,  
0.5491

443.0945, 0.3514,  
0.4446


 47.5294, 0.3630,  
0.5712


 112.1709, 0.3628,  
0.5138

 33.4543, 0.3593,  
0.5967


 142.4716, 0.3613,  
0.4997


 22.4747, 0.3511,  
0.6259


 177.7896, 0.3596,  
0.4874

 14.2061, 0.3374,  
0.6626

 218.5094, 0.3579,  
0.4766

 8.2642, 0.3067,  
0.6933

 265.0154, 0.3562,  
0.4672

 4.2644, 0.2614,  
0.7386

 317.6920, 0.3545,

 1.8226, 0.1542,

0.4588

0.8458

376.9236, 0.3529,  
0.4513

■ 0.5012, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.0842, 0.3641,  
0.5491

■ 65.0842, 0.3641,  
0.5491

■ 65.0855, 0.3641,  
0.5491

■ 65.9185, 0.3675,  
0.5407


■ 66.8699, 0.3689,  
0.5279

■ 67.9659, 0.3677,  
0.5102


■ 69.2210, 0.3640,  
0.4882

 70.6477, 0.3582,  
0.4630

 72.2568, 0.3506,  
0.4359

 74.0581, 0.3418,  
0.4080

 76.0607, 0.3322,  
0.3805

 78.2730, 0.3224,  
0.3539

# Harmonies

## Analogous

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



65.0842, 0.4618, 0.4903



65.0842, 0.3641, 0.5491



65.0842, 0.2598, 0.5197

# Triad

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



65.0842, 0.3641, 0.5491



65.0842, 0.1293, 0.1916



65.0842, 0.4559, 0.2636

# Complementary

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



65.0842, 0.3641, 0.5491



7.2453, 0.1708, 0.0715

# 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.



65.0842, 0.3332, 0.2066



65.0842, 0.3641, 0.5491



65.0842, 0.1590, 0.1658

# Square

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



65.0842, 0.3641, 0.5491



65.0842, 0.1329, 0.2629



65.0842, 0.2260, 0.1724



65.0842, 0.5331, 0.3331



# Rectangle

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



65.0842, 0.3641, 0.5491



65.0842, 0.1994, 0.4387



65.0842, 0.2260, 0.1724



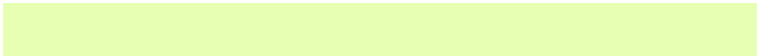
65.0842, 0.4168, 0.2426

# Sweetspot

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



65.0871, 0.3641, 0.5491



91.7312, 0.3419, 0.4085



21.4909, 0.5986, 0.3629



19.4258, 0.3458, 0.4203



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.



65.0871, 0.3641, 0.5491



80.6058, 0.3638, 0.5493



58.3061, 0.3062, 0.5951



16.5779, 0.3219, 0.3526



36.2018, 0.3650, 0.5484



2.7241, 0.3731, 0.5420



# Inverse Universe

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



7.2453, 0.1708, 0.0715



8.9361, 0.1703, 0.0712



16.2179, 0.2700, 0.1261



14.1061, 0.3029, 0.3050



4.0802, 0.1723, 0.0723

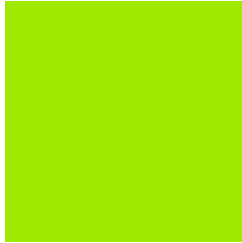


0.3496, 0.1881, 0.0810



# Previews

## White Background



This preview shows how the Yxy color 65.0842, 0.3641, 0.5491 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 65.0842, 0.3641, 0.5491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

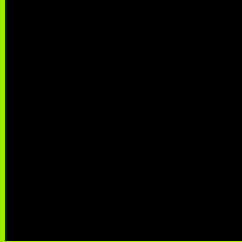
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.0842, 0.3641, 0.5491**

## Background



This preview shows how black text looks on a background with the Yxy color 65.0842, 0.3641, 0.5491.



This preview shows how white text looks on a background with the Yxy color 65.0842, 0.3641, 0.5491.

# 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

65.0842, 0.3641, 0.5491

### Protanopia

64.5931, 0.4403, 0.4886

### Deuteranopia

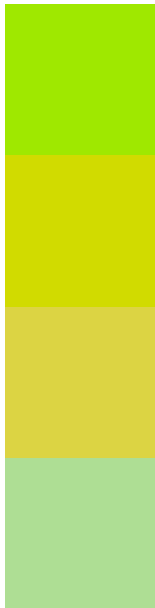
64.0739, 0.4275, 0.4232



## Tritanopia

64.9400, 0.2788, 0.3092

# Trichromacy



## Original Color

65.0842, 0.3641, 0.5491

## Protanomaly

64.2183, 0.4113, 0.5116

## Deuteranomaly

62.7079, 0.4117, 0.4774

## Tritanomaly

63.3793, 0.3262, 0.4226

# Monochromacy



## Original Color

65.0842, 0.3641, 0.5491

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

52.1716, 0.3521, 0.4397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0842, 0.3641, 0.5491 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(159, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 232, 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(159, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 232, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0842, 0.3641, 0.5491 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(159, 232, 0) }
```

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

```
.border{ border-color:rgb(159, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 232,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0842, 0.3641, 0.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 232, 0) }
```

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

```
.background{ background-color: rgb(159,  
232, 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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