

# Converting Colors

$Yxy(65.9014, 0.3606, 0.5507)$

Have a look what the booklet for  
Yxy(65.9014, 0.3606, 0.5507)  
contains.

|   |    |
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**Color**

**Yxy(65.9267, 0.3606, 0.5507)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 9CEA06                      |
| RGB         | 156, 234, 6                 |
| RGB Percent | 61%, 92%, 2%                |
| CMY         | 0.3881, 0.0823, 0.9768      |
| CMYK        | 0.33, 0.00, 0.97, 0.08      |
| HSL         | 81°, 95%, 47%               |
| HSV         | 81°, 97%, 92%               |
| XYZ         | 43.1690, 65.9267, 10.6187   |
| YIQ         | 184.6860, 26.7000, -87.4440 |

# Conversions

## Conversions Part 2

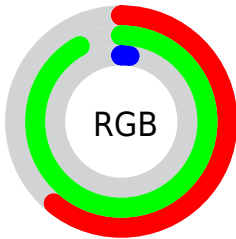
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <a href="#">RYB</a>                 | 6, 234, 84                      |
| Decimal                             | 10283526                        |
| CIELab                              | 84.96, -50.83, 82.01            |
| CIELCh                              | 85, 96.483, 121.791             |
| Yxy                                 | 65.9267, 0.3606,<br>0.5507      |
| Android<br>(android.graphics.Color) | 4288473606<br>(0xFF9CEA06)      |
| YUV                                 | 184.6860, -88.0922,<br>-25.1576 |
| Hunter-Lab                          | 81.1953, -47.1888,<br>49.0828   |

# Details

The Yxy color **65.9267, 0.3606, 0.5507** 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 **7.9485, 0.1769, 0.0758**, and the grayscale version is **48.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8743, 0.3747, 0.4935**, and **34.3276, 0.3423, 0.5664** is the 20% darker color. If you saturate the color by 10%, you get **65.7167, 0.3596, 0.5527**, and if you desaturate by 10%, it is **66.8316, 0.3641, 0.5411**.

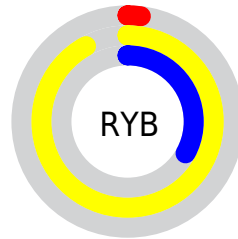
# Distribution



Red (61%)

Green (92%)

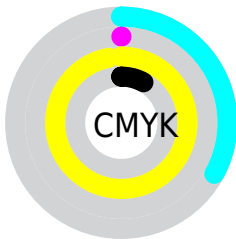
Blue (2%)



Red (2%)

Yellow (92%)

Blue (33%)

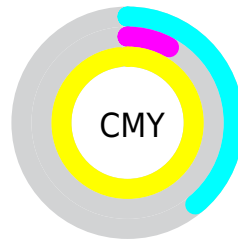


Cyan (33%)

Magenta (0%)

Yellow (97%)

Black (8%)



Cyan (39%)

Magenta (8%)

Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9267, 0.3606, 0.5507 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 65.9267, 0.3606, 0.5507 by changing the saturation by 10% instead.





 65.9267, 0.3606,  
0.5507


 65.9267, 0.3606,  
0.5507


446.1147, 0.3495,  
0.4452


 48.2129, 0.3591,  
0.5731


 113.3811, 0.3598,  
0.5149

 33.9955, 0.3551,  
0.5991


 143.8905, 0.3586,  
0.5007


 22.8902, 0.3466,  
0.6290


 179.4339, 0.3571,  
0.4883

 14.5124, 0.3328,  
0.6672

 220.3957, 0.3555,  
0.4774

 8.4779, 0.3015,  
0.6985

 267.1603, 0.3540,  
0.4679

 4.4022, 0.2555,  
0.7445

 320.1121, 0.3524,

 1.9010, 0.1491,

0.4595

0.8509

379.6354, 0.3509,  
0.4519

■ 0.5490, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.9267, 0.3606,  
0.5507

■ 65.9267, 0.3606,  
0.5507

■ 65.7167, 0.3596,  
0.5527

■ 66.8316, 0.3641,  
0.5411

■ 67.8740, 0.3652,  
0.5265

■ 69.0758, 0.3638,  
0.5071

■ 70.4513, 0.3600,  
0.4837

■ 72.0130, 0.3542,  
0.4574

■ 73.7719, 0.3467,  
0.4296

■ 75.7381, 0.3382,  
0.4014

■ 77.9207, 0.3290,  
0.3738

■ 80.3283, 0.3197,  
0.3475

# Harmonies

## Analogous

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



65.9267, 0.4591, 0.4932



65.9267, 0.3606, 0.5507



65.9267, 0.2562, 0.5174

# Triad

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



65.9267, 0.3606, 0.5507



65.9267, 0.1293, 0.1897



65.9267, 0.4601, 0.2655

# Complementary

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



65.9267, 0.3606, 0.5507



7.9485, 0.1769, 0.0758

# 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.



65.9267, 0.3374, 0.2078



65.9267, 0.3606, 0.5507



65.9267, 0.1602, 0.1651

# Square

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



65.9267, 0.3606, 0.5507



65.9267, 0.1317, 0.2593



65.9267, 0.2286, 0.1727



65.9267, 0.5351, 0.3354



# Rectangle

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



65.9267, 0.3606, 0.5507



65.9267, 0.1963, 0.4344



65.9267, 0.2286, 0.1727



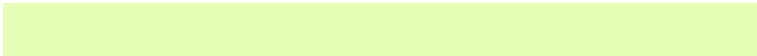
65.9267, 0.4212, 0.2444

# Sweetspot

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



65.9296, 0.3606, 0.5507



91.6348, 0.3396, 0.4060



23.5312, 0.5844, 0.3719



19.3916, 0.3434, 0.4181



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.



65.9296, 0.3606, 0.5507



79.8255, 0.3593, 0.5529



59.3931, 0.3052, 0.5945



17.3543, 0.3215, 0.3526



37.0010, 0.3605, 0.5520



2.9582, 0.3687, 0.5454



# Inverse Universe

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



7.9485, 0.1769, 0.0758



9.2547, 0.1739, 0.0732



17.8028, 0.2796, 0.1321



14.7992, 0.3033, 0.3050



4.3590, 0.1758, 0.0742

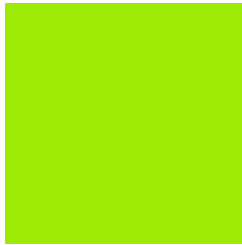


0.3937, 0.1910, 0.0826



# Previews

## White Background



This preview shows how the Yxy color 65.9267, 0.3606, 0.5507 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 65.9267, 0.3606, 0.5507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

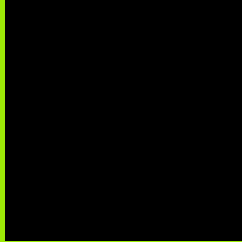
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9267, 0.3606, 0.5507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9267, 0.3606, 0.5507.



This preview shows how white text looks on a background with the Yxy color 65.9267, 0.3606, 0.5507.

# 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

65.9267, 0.3606, 0.5507

### Protanopia

65.2641, 0.4403, 0.4886

### Deuteranopia

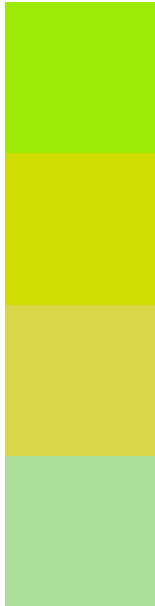
65.1417, 0.4224, 0.4200



## Tritanopia

65.3272, 0.2765, 0.3080

# Trichromacy



## Original Color

65.9267, 0.3606, 0.5507

## Protanomaly

64.6007, 0.4096, 0.5126

## Deuteranomaly

63.6342, 0.4070, 0.4755

## Tritanomaly

63.7003, 0.3214, 0.4191

# Monochromacy



## Original Color

65.9267, 0.3606, 0.5507

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

53.0666, 0.3486, 0.4384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9267, 0.3606, 0.5507 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(156, 234, 6)` looks like.

```
.text, #text, p{  
    color:rgb(156, 234, 6)  
}
```

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(156, 234, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 234, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9267, 0.3606, 0.5507 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(156, 234, 6) }
```

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

```
.border{ border-color:rgb(156, 234, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 234, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 234, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 234, 6);  
box-shadow:4px 4px 4px 4px rgb(156, 234,  
6) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9267, 0.3606, 0.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 234, 6) }
```

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

```
.background{ background-color: rgb(156,  
234, 6) }
```

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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