

# Converting Colors

$Yxy(60.7304, 0.3608, 0.5396)$

Have a look what the booklet for  
Yxy(60.7304, 0.3608, 0.5396)  
contains.

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**Color**

**Yxy(60.9403, 0.3609, 0.5398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE123
RGB	155, 225, 35
RGB Percent	61%, 88%, 14%
CMY	0.3923, 0.1176, 0.8624
CMYK	0.31, 0.00, 0.84, 0.12
HSL	82°, 76%, 51%
HSV	82°, 84%, 88%
XYZ	40.7435, 60.9403, 11.2104
YIQ	182.4100, 19.2700, -73.9300

# Conversions

## Conversions Part 2

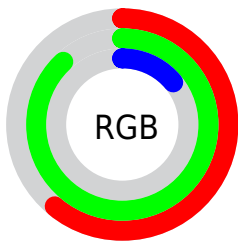
Format	Color
<a href="#">RYB</a>	35, 225, 105
Decimal	10215715
CIELab	82.35, -46.91, 75.82
CIELCh	82, 89.161, 121.741
Yxy	60.9403, 0.3609, 0.5398
Android (android.graphics.Color)	4288405795 (0xFF9BE123)
YUV	182.4100, -72.6731, -24.0386
Hunter-Lab	78.0643, -43.4492, 46.1307

# Details

The Yxy color **60.9403, 0.3609, 0.5398** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **9.6531, 0.1969, 0.0949**, and the grayscale version is **47.4144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7362, 0.3699, 0.4877**, and **30.9173, 0.3476, 0.5622** is the 20% darker color. If you saturate the color by 10%, you get **60.0564, 0.3578, 0.5513**, and if you desaturate by 10%, it is **61.9715, 0.3616, 0.5231**.

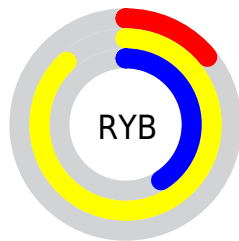
# Distribution



Red (61%)

Green (88%)

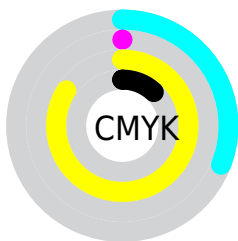
Blue (14%)



Red (14%)

Yellow (88%)

Blue (41%)

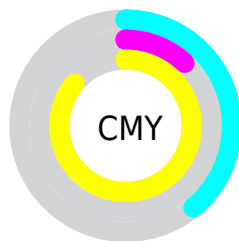


Cyan (31%)

Magenta (0%)

Yellow (84%)

Black (12%)



Cyan (39%)

Magenta (12%)


Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9403, 0.3609, 0.5398 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 60.9403, 0.3609, 0.5398 by changing the saturation by 10% instead.





 60.9403, 0.3609,  
0.5398

 60.9403, 0.3609,  
0.5398

428.0551, 0.3479,  
0.4376

 44.1770, 0.3602,  
0.5622


 106.1925, 0.3591,  
0.5046


 30.8097, 0.3572,  
0.5887


 135.4502, 0.3575,  
0.4907


 20.4540, 0.3500,  
0.6195


 169.6414, 0.3559,  
0.4787

 12.7255, 0.3385,  
0.6615

 209.1506, 0.3542,  
0.4683

 7.2398, 0.3067,  
0.6933

 254.3622, 0.3525,  
0.4592

 3.6125, 0.2588,  
0.7412

 305.6605, 0.3509,

 1.4593, 0.0955,

0.4511

0.9045

363.4300, 0.3493,  
0.4439

■ 0.2598, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.9403, 0.3609,  
0.5398

■ 60.9403, 0.3609,  
0.5398

■ 60.0564, 0.3578,  
0.5513

■ 61.9715, 0.3616,  
0.5231

■ 59.6096, 0.3553,  
0.5561

■ 63.1573, 0.3599,  
0.5018

■ 64.5130, 0.3559,  
0.4768

■ 66.0497, 0.3499,  
0.4495

67.7772, 0.3426,  
0.4212

69.7047, 0.3343,  
0.3929

71.8405, 0.3255,  
0.3656

74.1925, 0.3166,  
0.3398

76.7680, 0.3079,  
0.3159

# Harmonies

## Analogous

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



60.9403, 0.4551, 0.4881



60.9403, 0.3609, 0.5398



60.9403, 0.2602, 0.5062

# Triad

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



60.9403, 0.3609, 0.5398



60.9403, 0.1359, 0.1959



60.9403, 0.4526, 0.2687

# Complementary

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



60.9403, 0.3609, 0.5398



9.6531, 0.1969, 0.0949

# 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.



60.9403, 0.3365, 0.2126



60.9403, 0.3609, 0.5398



60.9403, 0.1660, 0.1714

# Square

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



60.9403, 0.3609, 0.5398



60.9403, 0.1388, 0.2637



60.9403, 0.2324, 0.1785



60.9403, 0.5244, 0.3368



# Rectangle

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



60.9403, 0.3609, 0.5398



60.9403, 0.2024, 0.4288



60.9403, 0.2324, 0.1785



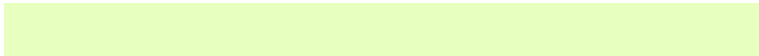
60.9403, 0.4158, 0.2481

# Sweetspot

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



60.9430, 0.3609, 0.5398



92.3638, 0.3349, 0.3950



26.1765, 0.5407, 0.3890



19.5708, 0.3379, 0.4050



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.



60.9430, 0.3609, 0.5398



79.0945, 0.3549, 0.5564



54.9500, 0.3074, 0.5800



15.7638, 0.3211, 0.3526



34.4153, 0.3563, 0.5553



2.4358, 0.3660, 0.5476



# Inverse Universe

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



9.6531, 0.1969, 0.0949



9.6010, 0.1777, 0.0753



18.8791, 0.2925, 0.1456



13.4881, 0.3038, 0.3052



4.2522, 0.1799, 0.0765



0.3444, 0.1972, 0.0860



# Previews

## White Background



This preview shows how the Yxy color 60.9403, 0.3609, 0.5398 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 60.9403, 0.3609, 0.5398 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 60.9403, 0.3609, 0.5398**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9403, 0.3609, 0.5398.



This preview shows how white text looks on a background with the Yxy color 60.9403, 0.3609, 0.5398.

# 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

60.9403, 0.3609, 0.5398

### Protanopia

60.0974, 0.4375, 0.4830

### Deuteranopia

60.2137, 0.4556, 0.4463



## Tritanopia

60.4390, 0.2791, 0.3086

# Trichromacy



## Original Color

60.9403, 0.3609, 0.5398



## Protanomaly

59.8824, 0.4082, 0.5049



## Deuteranomaly

58.9798, 0.4213, 0.4807



## Tritanomaly

59.4702, 0.3177, 0.4042

# Monochromacy



## Original Color

60.9403, 0.3609, 0.5398



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

50.7438, 0.3422, 0.4218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9403, 0.3609, 0.5398 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(155, 225, 35)` looks like.

```
.text, #text, p{  
    color:rgb(155, 225, 35)  
}
```

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(155, 225, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 225, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9403, 0.3609, 0.5398 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(155, 225, 35) }
```

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

```
.border{ border-color:rgb(155, 225, 35) }
```

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

Here you see how a box with a 4 pixel rgb(155, 225, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 225, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 225, 35);  
box-shadow:4px 4px 4px 4px rgb(155, 225,  
35) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9403, 0.3609, 0.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 225, 35) }
```

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

```
.background{ background-color: rgb(155,  
225, 35) }
```

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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