

# Converting Colors

$Y_{xy}(52.0010, 0.3493, 0.5609)$

Have a look what the booklet for  
Yxy(52.0010, 0.3493, 0.5609)  
contains.

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**Color**

**Yxy(52.0241, 0.3493, 0.5609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ED500
RGB	126, 213, 0
RGB Percent	49%, 84%, 0%
CMY	0.5059, 0.1647, 1.0000
CMYK	0.41, 0.00, 1.00, 0.16
HSL	85°, 100%, 42%
HSV	85°, 100%, 84%
XYZ	32.3980, 52.0241, 8.3291
YIQ	162.7050, 16.5210, -84.6870

# Conversions

## Conversions Part 2

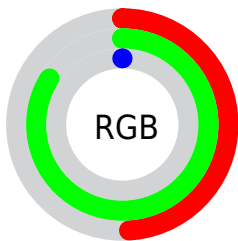
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 213, 87
Decimal	8312064
CIELab	77.30, -52.86, 75.95
CIELCh	77, 92.539, 124.838
Yxy	52.0241, 0.3493, 0.5609
Android (android.graphics.Color)	4286502144 (0xFF7ED500)
YUV	162.7050, -80.2136, -32.1903
Hunter-Lab	72.1277, -46.0458, 43.6428

# Details

The Yxy color **52.0241, 0.3493, 0.5609** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.8307, 0.1849, 0.0792**, and the grayscale version is **36.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4902, 0.3557, 0.5111**, and **25.5775, 0.3262, 0.5792** is the 20% darker color. If you saturate the color by 10%, you get **52.0267, 0.3493, 0.5609**, and if you desaturate by 10%, it is **52.7724, 0.3537, 0.5510**.

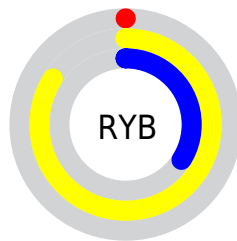
# Distribution



Red (49%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (34%)

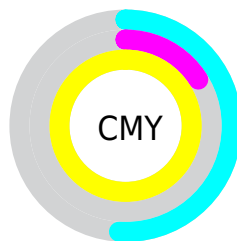


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (51%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0241, 0.3493, 0.5609 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 52.0241, 0.3493, 0.5609 by changing the saturation by 10% instead.




 52.0241, 0.3493,  
0.5609

 52.0241, 0.3493,  
0.5609

 394.5296, 0.3433,  
0.4445

 37.0243, 0.3460,  
0.5871


 93.1668, 0.3506,  
0.5201

 25.2263, 0.3392,  
0.6181


 120.0784, 0.3500,  
0.5042

 16.2457, 0.3272,  
0.6570


 151.7295, 0.3491,  
0.4906

 9.6982, 0.3025,  
0.6975

 188.5044, 0.3480,  
0.4788

 5.1993, 0.2592,  
0.7408

 230.7874, 0.3468,  
0.4686

 2.3647, 0.1829,  
0.8171

 278.9630, 0.3456,

 0.8076, 0.0000,

0.4596

1.0000

333.4156, 0.3444,  
0.4516

■ 0.0000, 0.0000,  
0.0000

■ 52.0241, 0.3493,  
0.5609

■ 52.0241, 0.3493,  
0.5609

■ 52.0267, 0.3493,  
0.5609

■ 52.7724, 0.3537,  
0.5510

■ 53.6381, 0.3563,  
0.5365

■ 54.6453, 0.3564,  
0.5168

■ 55.8066, 0.3542,  
0.4930

■ 57.1328, 0.3500,  
0.4661

■ 58.6333, 0.3440,  
0.4377

■ 60.3168, 0.3369,  
0.4089

■ 62.1912, 0.3291,  
0.3807

■ 64.2640, 0.3209,  
0.3540

# Harmonies

## Analogous

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



52.0241, 0.4524, 0.5048



52.0241, 0.3493, 0.5609



52.0241, 0.2430, 0.5152

# Triad

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



52.0241, 0.3493, 0.5609



52.0241, 0.1263, 0.1809



52.0241, 0.4767, 0.2700

# Complementary

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



52.0241, 0.3493, 0.5609



6.8307, 0.1849, 0.0792

# 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.



52.0241, 0.3511, 0.2094



52.0241, 0.3493, 0.5609



52.0241, 0.1612, 0.1601

# Square

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



52.0241, 0.3493, 0.5609



52.0241, 0.1249, 0.2462



52.0241, 0.2353, 0.1709



52.0241, 0.5457, 0.3417



# Rectangle

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



52.0241, 0.3493, 0.5609



52.0241, 0.1842, 0.4231



52.0241, 0.2353, 0.1709



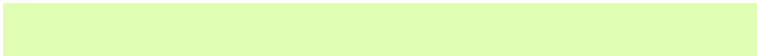
52.0241, 0.4378, 0.2480

# Sweetspot

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



52.0267, 0.3493, 0.5609



90.5624, 0.3371, 0.4098



20.6757, 0.5712, 0.3846



19.1468, 0.3403, 0.4220



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.



52.0267, 0.3493, 0.5609



78.0844, 0.3486, 0.5614



47.7536, 0.3021, 0.5983



14.2553, 0.3204, 0.3525



31.8397, 0.3502, 0.5601



1.9683, 0.3620, 0.5508



# Inverse Universe

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



6.8307, 0.1849, 0.0792



10.1724, 0.1839, 0.0787



15.9722, 0.2956, 0.1402



12.2539, 0.3045, 0.3053



4.2286, 0.1864, 0.0800



0.3028, 0.2061, 0.0909



# Previews

## White Background



This preview shows how the Yxy color 52.0241, 0.3493, 0.5609 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 52.0241, 0.3493, 0.5609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

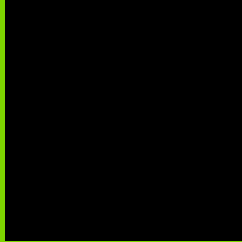
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0241, 0.3493, 0.5609**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0241, 0.3493, 0.5609.



This preview shows how white text looks on a background with the Yxy color 52.0241, 0.3493, 0.5609.

# 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

52.0241, 0.3493, 0.5609

### Protanopia

51.1231, 0.4407, 0.4883

### Deuteranopia

51.1604, 0.4640, 0.4535



## Tritanopia

51.7272, 0.2675, 0.3081

# Trichromacy



**Original Color**

52.0241, 0.3493, 0.5609

**Protanomaly**

50.3333, 0.4052, 0.5165

**Deuteranomaly**

49.7842, 0.4211, 0.4952

**Tritanomaly**

50.1522, 0.3118, 0.4251

# Monochromacy



**Original Color**

52.0241, 0.3493, 0.5609

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

40.5313, 0.3458, 0.4435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0241, 0.3493, 0.5609 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(126, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 213, 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(126, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 213, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0241, 0.3493, 0.5609 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(126, 213, 0) }
```

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

```
.border{ border-color:rgb(126, 213, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 213, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 213,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0241, 0.3493, 0.5609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 213, 0) }
```

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

```
.background{ background-color: rgb(126,  
213, 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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