

# Converting Colors

$Y_{xy}(35.2993, 0.2951, 0.5824)$

Have a look what the booklet for  
Yxy(35.2993, 0.2951, 0.5824)  
contains.

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# Color

**Yxy(35.2392, 0.2950, 0.5820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BA23
RGB	0, 186, 35
RGB Percent	0%, 73%, 14%
CMY	1.0000, 0.2706, 0.8629
CMYK	1.00, 0.00, 0.81, 0.27
HSL	131°, 100%, 36%
HSV	131°, 100%, 73%
XYZ	17.8618, 35.2392, 7.4475
YIQ	113.1720, -62.3850, -86.3930

# Conversions

## Conversions Part 2

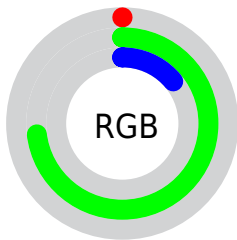
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 157, 186
Decimal	47651
CIELab	65.93, -66.77, 59.47
CIELCh	66, 89.417, 138.308
Yxy	35.2392, 0.2950, 0.5820
Android (android.graphics.Color)	4278237731 (0xFF00BA23)
YUV	113.1720, -38.5388, -99.2518
Hunter-Lab	59.3626, -50.1752, 34.1155

# Details

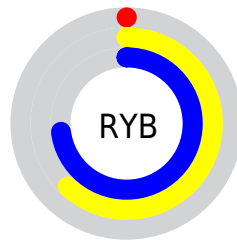
The Yxy color **35.2392, 0.2950, 0.5820** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.6752, 0.3751, 0.1840**, and the grayscale version is **16.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1443, 0.3059, 0.5281**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.2407, 0.2950, 0.5820**, and if you desaturate by 10%, it is **35.4849, 0.2930, 0.5652**.

# Distribution



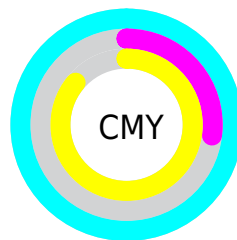
- Red (0%)
- Green (73%)
- Blue (14%)



- Red (0%)
- Yellow (62%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2392, 0.2950, 0.5820 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 35.2392, 0.2950, 0.5820 by changing the saturation by 10% instead.




 35.2392, 0.2950,  
0.5820


 35.2392, 0.2950,  
0.5820


325.6229, 0.3151,  
0.4401


 23.8472, 0.2847,  
0.6201


 67.8562, 0.3059,  
0.5277


 15.2203, 0.2680,  
0.6687


 89.8499, 0.3088,  
0.5080


 8.9741, 0.2437,  
0.7420


 116.1463, 0.3109,  
0.4917

 4.7243, 0.1925,  
0.8075

 147.1299, 0.3123,  
0.4780

 2.0864, 0.0219,  
0.9781

 183.1849, 0.3134,  
0.4664

 0.6570, 0.0000,  
1.0000

 224.6958, 0.3142,

 0.0000, 0.0000,


0.4564


0.0000

272.0470, 0.3147,  
0.4477


 35.2392, 0.2950,  
0.5820

 35.2392, 0.2950,  
0.5820


 35.2407, 0.2950,  
0.5820

 35.4849, 0.2930,  
0.5652

 35.9002, 0.2917,  
0.5429

 36.5379, 0.2916,  
0.5162

 37.4245, 0.2926,  
0.4868

 38.5832, 0.2948,  
0.4565

■ 40.0340, 0.2977,  
0.4267

■ 41.7954, 0.3012,  
0.3986

■ 43.8840, 0.3050,  
0.3728

■ 46.3155, 0.3089,  
0.3496

# Harmonies

## Analogous

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



35.2392, 0.4094, 0.5523



35.2392, 0.2950, 0.5820



35.2392, 0.1902, 0.4705

# Triad

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



35.2392, 0.2950, 0.5820



35.2392, 0.1260, 0.1553



35.2392, 0.5376, 0.2964

# Complementary

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



35.2392, 0.2950, 0.5820



12.6752, 0.3751, 0.1840

# 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.



35.2392, 0.4188, 0.2267



35.2392, 0.2950, 0.5820



35.2392, 0.1795, 0.1501

# Square

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



35.2392, 0.2950, 0.5820



35.2392, 0.1088, 0.1990



35.2392, 0.2792, 0.1748



35.2392, 0.5666, 0.3737



# Rectangle

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



35.2392, 0.2950, 0.5820



35.2392, 0.1421, 0.3551



35.2392, 0.2792, 0.1748



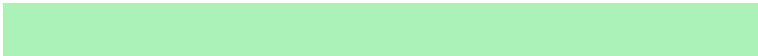
35.2392, 0.5057, 0.2721

# Sweetspot

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



35.2407, 0.2950, 0.5820



75.5807, 0.3010, 0.3999



41.7856, 0.3873, 0.5307



16.3334, 0.2995, 0.4116



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.2407, 0.2950, 0.5820



63.8468, 0.2956, 0.5841



36.6545, 0.2544, 0.4358



10.0870, 0.3091, 0.3481



23.7161, 0.2945, 0.5802



0.8444, 0.2817, 0.5342



# Inverse Universe

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



12.6752, 0.3751, 0.1840



22.9394, 0.3761, 0.1845



10.7544, 0.5704, 0.2916



9.1330, 0.3165, 0.3106



8.5374, 0.3742, 0.1835

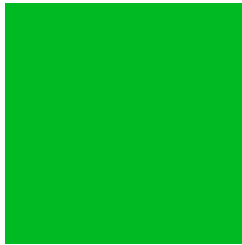


0.3086, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 35.2392, 0.2950, 0.5820 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 35.2392, 0.2950, 0.5820 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 35.2392, 0.2950, 0.5820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.2392, 0.2950, 0.5820.



This preview shows how white text looks on a background with the Yxy color 35.2392, 0.2950, 0.5820.

# 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

35.2392, 0.2950, 0.5820

### Protanopia

34.4638, 0.4347, 0.4802

### Deuteranopia

34.5233, 0.4528, 0.4436



## Tritanopia

35.0528, 0.2358, 0.3064

# Trichromacy



## Original Color

35.2392, 0.2950, 0.5820



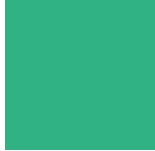
## Protanomaly

32.0523, 0.3575, 0.5361



## Deuteranomaly

31.2602, 0.3679, 0.5107



## Tritanomaly

34.1597, 0.2578, 0.4125

# Monochromacy



## Original Color

35.2392, 0.2950, 0.5820



## Achromatopsia

16.5132, 0.3127, 0.3290



## Achromatomaly

20.7898, 0.2953, 0.4484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.2392, 0.2950, 0.5820 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(0, 186, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 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(0, 186, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 35.2392, 0.2950, 0.5820 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(0, 186, 35) }
```

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

```
.border{ border-color:rgb(0, 186, 35) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 35)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 35.2392, 0.2950, 0.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 35) }
```

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

```
.background{ background-color: rgb(0, 186,  
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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