

# Converting Colors

$Y_{xy}(40.9363, 0.3094, 0.5764)$

Have a look what the booklet for  
Yxy(40.9363, 0.3094, 0.5764)  
contains.

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**Color**

**Yxy(40.9363, 0.3094, 0.5764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AC520
RGB	58, 197, 32
RGB Percent	23%, 77%, 13%
CMY	0.7724, 0.2274, 0.8744
CMYK	0.71, 0.00, 0.84, 0.23
HSL	111°, 72%, 45%
HSV	111°, 84%, 77%
XYZ	21.9738, 40.9363, 8.1106
YIQ	136.6290, -29.8790, -80.7830

# Conversions

## Conversions Part 2

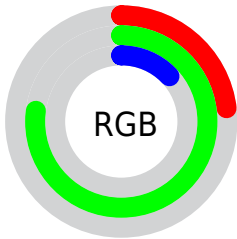
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 197, 171
Decimal	3851552
CIELab	70.13, -64.38, 64.35
CIELCh	70, 91.028, 135.014
Yxy	40.9363, 0.3094, 0.5764
Android (android.graphics.Color)	4282041632 (0xFF3AC520)
YUV	136.6290, -51.5821, -68.9576
Hunter-Lab	63.9815, -50.6636, 37.2712

# Details

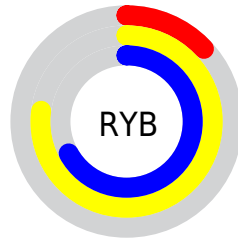
The Yxy color **40.9363, 0.3094, 0.5764** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **13.7207, 0.2879, 0.1442**, and the grayscale version is **25.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6703, 0.3173, 0.5266**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.4409, 0.3062, 0.5907**, and if you desaturate by 10%, it is **41.6594, 0.3122, 0.5545**.

# Distribution



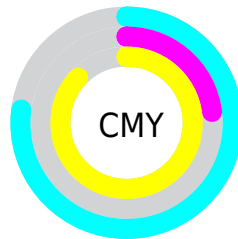
- Red (23%)
- Green (77%)
- Blue (13%)



- Red (13%)
- Yellow (77%)
- Blue (67%)



- Cyan (71%)
- Magenta (0%)
- Yellow (84%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9363, 0.3094, 0.5764 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 40.9363, 0.3094, 0.5764 by changing the saturation by 10% instead.




 40.9363, 0.3094,  
0.5764


 40.9363, 0.3094,  
0.5764


350.0543, 0.3222,  
0.4422

 28.2693, 0.3014,  
0.6106


 76.5872, 0.3174,  
0.5264


 18.5288, 0.2880,  
0.6532


 100.3399, 0.3194,  
0.5078


 11.3303, 0.2673,  
0.7115


 128.5566, 0.3206,  
0.4923

 6.2894, 0.2271,  
0.7729

 161.6217, 0.3214,  
0.4792

 3.0219, 0.1532,  
0.8468

 199.9197, 0.3218,  
0.4679

 1.1432, 0.0000,  
1.0000


 243.8348, 0.3221,

 0.0145, 0.0000,

0.4581


1.0000

293.7516, 0.3222,  
0.4496


 0.0000, 0.0000,  
0.0000


 40.9363, 0.3094,  
0.5764

 40.9363, 0.3094,  
0.5764


 40.4409, 0.3062,  
0.5907


 41.6594, 0.3122,  
0.5545

 40.2253, 0.3045,  
0.5965

 42.6289, 0.3142,  
0.5263

 43.8671, 0.3156,  
0.4940

 45.3924, 0.3161,  
0.4599

 47.2217, 0.3160,  
0.4262

■ 49.3703, 0.3154,  
0.3941

■ 51.8527, 0.3144,  
0.3646

■ 54.6822, 0.3132,  
0.3381

■ 57.8718, 0.3119,  
0.3147

# Harmonies

## Analogous

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



40.9363, 0.4209, 0.5392



40.9363, 0.3094, 0.5764



40.9363, 0.2040, 0.4828

# Triad

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



40.9363, 0.3094, 0.5764



40.9363, 0.1265, 0.1619



40.9363, 0.5218, 0.2902

# Complementary

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



40.9363, 0.3094, 0.5764



13.7207, 0.2879, 0.1442

# 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.



40.9363, 0.4004, 0.2226



40.9363, 0.3094, 0.5764



40.9363, 0.1749, 0.1530

# Square

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



40.9363, 0.3094, 0.5764



40.9363, 0.1132, 0.2108



40.9363, 0.2674, 0.1742



40.9363, 0.5617, 0.3659

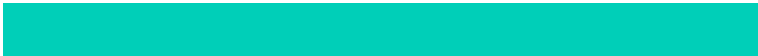


# Rectangle

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



40.9363, 0.3094, 0.5764



40.9363, 0.1529, 0.3726



40.9363, 0.2674, 0.1742



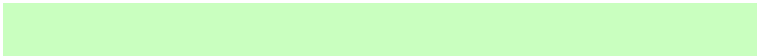
40.9363, 0.4877, 0.2664

# Sweetspot

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



40.9380, 0.3094, 0.5764



87.7525, 0.3155, 0.3992



40.5385, 0.4403, 0.4751



18.4818, 0.3158, 0.4105



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.



40.9380, 0.3094, 0.5764



71.9756, 0.3039, 0.5969



40.9285, 0.2822, 0.5184



11.9669, 0.3139, 0.3527



26.4817, 0.3050, 0.5960



1.2800, 0.3172, 0.5864



# Inverse Universe

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



13.7207, 0.2879, 0.1442



21.6335, 0.2805, 0.1319



14.8576, 0.4047, 0.2115



10.7287, 0.3113, 0.3061



8.0087, 0.2817, 0.1325



0.4026, 0.2904, 0.1373



# Previews

## White Background



This preview shows how the Yxy color 40.9363, 0.3094, 0.5764 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 40.9363, 0.3094, 0.5764 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 40.9363, 0.3094, 0.5764**

## Background



This preview shows how black text looks on a background with the Yxy color 40.9363, 0.3094, 0.5764.



This preview shows how white text looks on a background with the Yxy color 40.9363, 0.3094, 0.5764.

# 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

40.9363, 0.3094, 0.5764

### Protanopia

40.0219, 0.4372, 0.4823

### Deuteranopia

39.8838, 0.4560, 0.4457



## Tritanopia

40.5409, 0.2432, 0.3065

# Trichromacy



## Original Color

40.9363, 0.3094, 0.5764



## Protanomaly

38.5613, 0.3793, 0.5252



## Deuteranomaly

37.6297, 0.3918, 0.4995



## Tritanomaly

39.6404, 0.2720, 0.4125

# Monochromacy



## Original Color

40.9363, 0.3094, 0.5764



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

28.8853, 0.3157, 0.4376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9363, 0.3094, 0.5764 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(58, 197, 32)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 32)  
}
```

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(58, 197, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9363, 0.3094, 0.5764 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(58, 197, 32) }
```

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

```
.border{ border-color:rgb(58, 197, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 197, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 32);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
32) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9363, 0.3094, 0.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 32) }
```

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

```
.background{ background-color: rgb(58, 197,  
32) }
```

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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