

# Converting Colors

Yxy(51.3918, 0.3105, 0.5180)

Have a look what the booklet for  
Yxy(51.3918, 0.3105, 0.5180)  
contains.

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**Color**

**Yxy(51.3617, 0.3100, 0.5176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62D656
RGB	98, 214, 86
RGB Percent	38%, 84%, 34%
CMY	0.6159, 0.1608, 0.6625
CMYK	0.54, 0.00, 0.60, 0.16
HSL	114°, 61%, 59%
HSV	114°, 60%, 84%
XYZ	30.7615, 51.3617, 17.1073
YIQ	164.7240, -28.0480, -64.4000

# Conversions

## Conversions Part 2

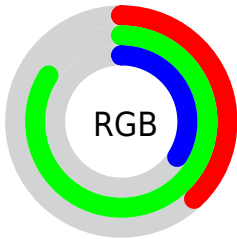
Format	Color
<b>RYB</b>	86, 214, 202
Decimal	6477398
CIELab	76.90, -57.13, 52.25
CIELCh	77, 77.420, 137.557
Yxy	51.3617, 0.3100, 0.5176
Android (android.graphics.Color)	4284667478 (0xFF62D656)
YUV	164.7240, -38.8109, -58.5169
Hunter-Lab	71.6671, -48.8004, 36.0141

# Details

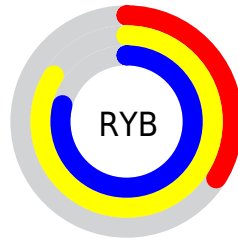
The Yxy color **51.3617, 0.3100, 0.5176** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **24.0909, 0.3063, 0.1851**, and the grayscale version is **37.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5815, 0.3154, 0.4672**, and **24.7723, 0.2995, 0.5752** is the 20% darker color. If you saturate the color by 10%, you get **50.1174, 0.3082, 0.5481**, and if you desaturate by 10%, it is **52.9753, 0.3114, 0.4836**.

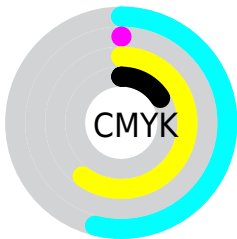
# Distribution



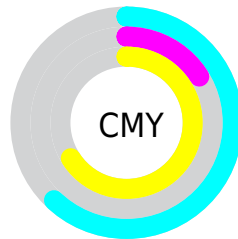
- Red (38%)
- Green (84%)
- Blue (34%)



- Red (34%)
- Yellow (84%)
- Blue (79%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)




- Cyan (62%)
- Magenta (16%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3617, 0.3100, 0.5176 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 51.3617, 0.3100, 0.5176 by changing the saturation by 10% instead.





 51.3617, 0.3100,  
0.5176


 51.3617, 0.3100,  
0.5176


391.9674, 0.3172,  
0.4183


 36.4965, 0.3060,  
0.5430


 92.1892, 0.3142,  
0.4808

 24.8179, 0.2996,  
0.5755


 118.9203, 0.3153,  
0.4672

 15.9415, 0.2887,  
0.6177


 150.3756, 0.3160,  
0.4557

 9.4827, 0.2696,  
0.6739

 186.9394, 0.3165,  
0.4460

 5.0574, 0.2387,  
0.7613

228.9960, 0.3168,  
0.4376

 2.2810, 0.1439,  
0.8561

276.9300, 0.3170,


 0.7636, 0.0000,


0.4303


1.0000


331.1257, 0.3172,  
0.4239


 0.0000, 0.0000,  
0.0000


 51.3617, 0.3100,  
0.5176


 51.3617, 0.3100,  
0.5176

 50.1174, 0.3082,  
0.5481


 52.9753, 0.3114,  
0.4836


 49.2071, 0.3061,  
0.5726


 54.9775, 0.3123,  
0.4485


 48.5998, 0.3038,  
0.5893


 57.3937, 0.3128,  
0.4145

 48.2499, 0.3019,  
0.5983


 60.2454, 0.3130,  
0.3827

 48.2446, 0.3019,  
0.5985

 63.5527, 0.3130,  
0.3540

 67.3343, 0.3127,  
0.3285

 71.6079, 0.3123,  
0.3062

 76.2439, 0.3133,  
0.2889

 76.5768, 0.3146,  
0.2891

# Harmonies

## Analogous

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



51.3617, 0.4040, 0.5091



51.3617, 0.3100, 0.5176



51.3617, 0.2215, 0.4366

# Triad

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



51.3617, 0.3100, 0.5176



51.3617, 0.1576, 0.1883



51.3617, 0.4847, 0.3070

# Complementary

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



51.3617, 0.3100, 0.5176



24.0909, 0.3063, 0.1851

# Split Complementary

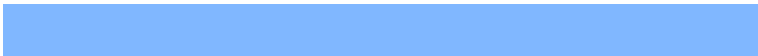
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.3617, 0.3931, 0.2461



51.3617, 0.3100, 0.5176



51.3617, 0.2041, 0.1811

# Square

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



51.3617, 0.3100, 0.5176



51.3617, 0.1438, 0.2302



51.3617, 0.2860, 0.2017



51.3617, 0.5156, 0.3755

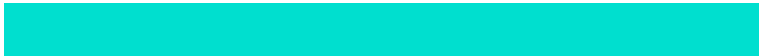


# Rectangle

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



51.3617, 0.3100, 0.5176



51.3617, 0.1785, 0.3556



51.3617, 0.2860, 0.2017



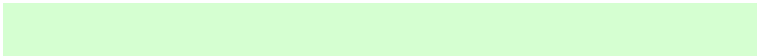
51.3617, 0.4592, 0.2855

# Sweetspot

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



51.3639, 0.3100, 0.5176



90.3299, 0.3130, 0.3779



56.8422, 0.4050, 0.4572



19.0460, 0.3130, 0.3868



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.



51.3639, 0.3100, 0.5176



74.0782, 0.3076, 0.5560



51.8908, 0.2786, 0.4459



13.9506, 0.3130, 0.3530



29.1784, 0.3023, 0.5982



1.7793, 0.3089, 0.5929



# Inverse Universe

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



24.0909, 0.3063, 0.1851



29.9410, 0.3037, 0.1636



23.5996, 0.3827, 0.2398



12.5713, 0.3123, 0.3059



9.8989, 0.2978, 0.1414



0.6146, 0.3020, 0.1437



# Previews

## White Background



This preview shows how the Yxy color 51.3617, 0.3100, 0.5176 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 51.3617, 0.3100, 0.5176 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 51.3617, 0.3100, 0.5176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3617, 0.3100, 0.5176.

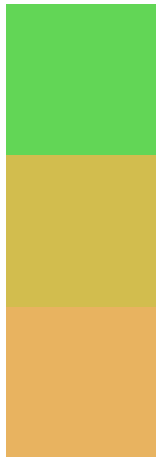


This preview shows how white text looks on a background with the Yxy color 51.3617, 0.3100, 0.5176.

# 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

51.3617, 0.3100, 0.5176

### Protanopia

50.6469, 0.4145, 0.4548

### Deuteranopia

50.2405, 0.4300, 0.4194



## Tritanopia

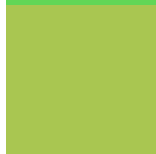
51.2187, 0.2523, 0.3075

# Trichromacy



**Original Color**

51.3617, 0.3100, 0.5176



**Protanomaly**

49.4173, 0.3701, 0.4808



**Deuteranomaly**

48.5393, 0.3795, 0.4570



**Tritanomaly**

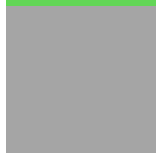
50.7202, 0.2749, 0.3826

# Monochromacy



**Original Color**

51.3617, 0.3100, 0.5176



**Achromatopsia**

37.6262, 0.3127, 0.3290



**Achromatomaly**

41.3073, 0.3135, 0.4002

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3617, 0.3100, 0.5176 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(98, 214, 86)` looks like.

```
.text, #text, p{  
  color:rgb(98, 214, 86)  
}
```

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(98, 214, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 214, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3617, 0.3100, 0.5176 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(98, 214, 86) }
```

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

```
.border{ border-color:rgb(98, 214, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 214, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 214, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 214, 86);  
box-shadow:4px 4px 4px 4px rgb(98, 214,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3617, 0.3100, 0.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 214, 86) }
```

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

```
.background{ background-color: rgb(98, 214,  
86) }
```

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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