

# Converting Colors

Yxy(56.4265, 0.3130, 0.3835)

Have a look what the booklet for  
Yxy(56.4265, 0.3130, 0.3835)  
contains.

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# Color

**Yxy(56.4110, 0.3131, 0.3838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD0A6
RGB	170, 208, 166
RGB Percent	67%, 82%, 65%
CMY	0.3333, 0.1843, 0.3489
CMYK	0.18, 0.00, 0.20, 0.18
HSL	114°, 31%, 73%
HSV	114°, 20%, 82%
XYZ	46.0195, 56.4110, 44.5497
YIQ	191.8500, -9.1660, -21.1180

# Conversions

## Conversions Part 2

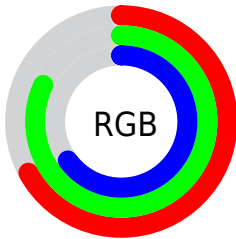
Format	Color
R <sub>YB</sub>	166, 208, 204
Decimal	11194534
CIE Lab	79.85, -20.52, 16.78
CIE LCh	80, 26.502, 140.725
Yxy	56.4110, 0.3131, 0.3838
Android (android.graphics.Color)	4289384614 (0xFFAAD0A6)
YUV	191.8500, -12.7440, -19.1624
Hunter-Lab	75.1073, -22.0677, 17.4074

# Details

The Yxy color **56.4110, 0.3131, 0.3838** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6743, 0.3115, 0.2787**, and the grayscale version is **52.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9092, 0.3142, 0.3641**, and **27.7793, 0.3124, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **53.7605, 0.3129, 0.4156**, and if you desaturate by 10%, it is **59.4902, 0.3130, 0.3550**.

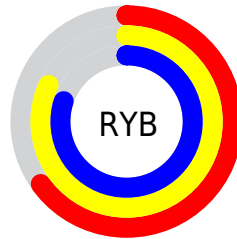
# Distribution



Red (67%)

Green (82%)

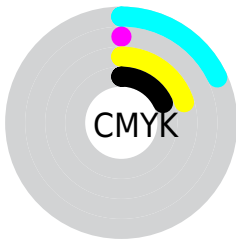
Blue (65%)



Red (65%)

Yellow (82%)

Blue (80%)

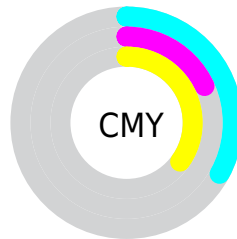


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (18%)



Cyan (33%)

Magenta (18%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4110, 0.3131, 0.3838 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 56.4110, 0.3131, 0.3838 by changing the saturation by 10% instead.





 56.4110, 0.3131,  
0.3838

 56.4110, 0.3131,  
0.3838


411.2386, 0.3134,  
0.3564

 40.5325, 0.3129,  
0.3906


 99.6052, 0.3133,  
0.3738

 27.9540, 0.3125,  
0.3994


 127.6898, 0.3134,  
0.3701

 18.2910, 0.3119,  
0.4110


160.6119, 0.3134,  
0.3669

 11.1591, 0.3108,  
0.4272

198.7559, 0.3134,  
0.3642

 6.1740, 0.3087,  
0.4512

242.5061, 0.3134,  
0.3619

 2.9511, 0.3037,  
0.4900

292.2471, 0.3134,

 1.1063, 0.3233,

0.3598

0.6682

348.3631, 0.3134,  
0.3580

0.0000, 0.0000,  
0.0000

56.4110, 0.3131,  
0.3838

56.4110, 0.3131,  
0.3838

53.7605, 0.3129,  
0.4156

59.4902, 0.3130,  
0.3550

51.5129, 0.3124,  
0.4496

63.0083, 0.3127,  
0.3294

49.6504, 0.3115,  
0.4846

66.9842, 0.3123,  
0.3070

48.1515, 0.3101,  
0.5185

71.4336, 0.3118,  
0.2876

46.9921, 0.3083,  
0.5488

73.5922, 0.3149,  
0.2831

■ 46.1456, 0.3061,  
0.5731

■ 45.5808, 0.3039,  
0.5895

■ 45.2583, 0.3020,  
0.5984

# Harmonies

## Analogous

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



56.4110, 0.3471, 0.3913



56.4110, 0.3131, 0.3838



56.4110, 0.2802, 0.3587

# Triad

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



56.4110, 0.3131, 0.3838



56.4110, 0.2550, 0.2768



56.4110, 0.3717, 0.3283

# Complementary

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



56.4110, 0.3131, 0.3838



44.6743, 0.3115, 0.2787

# 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.



56.4110, 0.3444, 0.3014



56.4110, 0.3131, 0.3838



56.4110, 0.2768, 0.2723

# Square

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



56.4110, 0.3131, 0.3838



56.4110, 0.2479, 0.2953



56.4110, 0.3092, 0.2813



56.4110, 0.3822, 0.3568



# Rectangle

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



56.4110, 0.3131, 0.3838



56.4110, 0.2631, 0.3366



56.4110, 0.3092, 0.2813



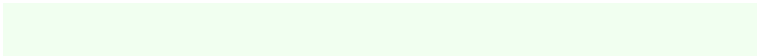
56.4110, 0.3641, 0.3189

# Sweetspot

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



56.4134, 0.3131, 0.3838



96.5212, 0.3129, 0.3441



59.2562, 0.3438, 0.3742



20.5819, 0.3129, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

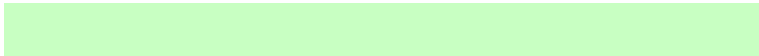


# Same Dimension

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



56.4134, 0.3131, 0.3838



87.6322, 0.3131, 0.3965



56.6328, 0.2989, 0.3616



13.2592, 0.3130, 0.3529



28.2262, 0.3024, 0.5981



1.5971, 0.3096, 0.5924



# Inverse Universe

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



44.6743, 0.3115, 0.2787



65.8887, 0.3112, 0.2683



44.4618, 0.3295, 0.2985



11.9496, 0.3123, 0.3060



9.5441, 0.2973, 0.1411



0.5506, 0.3019, 0.1437



# Previews

## White Background



This preview shows how the Yxy color 56.4110, 0.3131, 0.3838 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 56.4110, 0.3131, 0.3838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

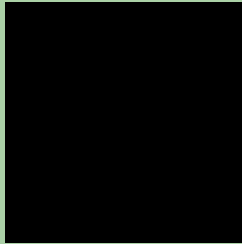
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.4110, 0.3131, 0.3838**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4110, 0.3131, 0.3838.



This preview shows how white text looks on a background with the Yxy color 56.4110, 0.3131, 0.3838.

# 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

56.4110, 0.3131, 0.3838

### Protanopia

56.0610, 0.3501, 0.3725

### Deuteranopia

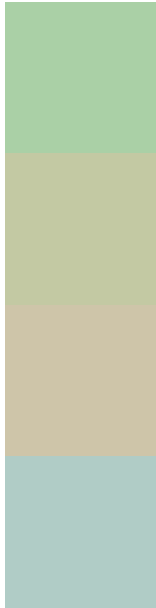
55.8979, 0.3593, 0.3521



## Tritanopia

56.3667, 0.2855, 0.3094

# Trichromacy



**Original Color**

56.4110, 0.3131, 0.3838

**Protanomaly**

56.0197, 0.3359, 0.3763

**Deuteranomaly**

55.9189, 0.3413, 0.3630

**Tritanomaly**

56.4931, 0.2960, 0.3365

# Monochromacy



**Original Color**

56.4110, 0.3131, 0.3838

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

53.9974, 0.3126, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.4110, 0.3131, 0.3838 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(170, 208, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 208, 166)  
}
```

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(170, 208, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 208, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4110, 0.3131, 0.3838 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(170, 208, 166) }
```

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

```
.border{ border-color:rgb(170, 208, 166) }
```

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

Here you see how a box with a 4 pixel rgb(170, 208, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 208, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 208, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 208,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4110, 0.3131, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 208, 166) }
```

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

```
.background{ background-color: rgb(170,  
208, 166) }
```

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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