

# Converting Colors

$Yxy(56.2130, 0.3110, 0.4632)$

Have a look what the booklet for  
Yxy(56.2130, 0.3110, 0.4632)  
contains.

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# Color

**Yxy(56.2938, 0.3114, 0.4638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82DA7A
RGB	130, 218, 122
RGB Percent	51%, 85%, 48%
CMY	0.4900, 0.1451, 0.5216
CMYK	0.40, 0.00, 0.44, 0.15
HSL	115°, 56%, 67%
HSV	115°, 44%, 85%
XYZ	37.7962, 56.2938, 27.2851
YIQ	180.7440, -21.6320, -48.5120

# Conversions

## Conversions Part 2

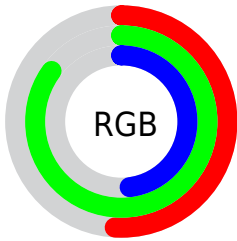
Format	Color
<a href="#">RYB</a>	<a href="#">122, 218, 210</a>
Decimal	<a href="#">8575610</a>
CIELab	<a href="#">79.78, -45.17, 39.05</a>
CIELCh	<a href="#">80, 59.705, 139.155</a>
Yxy	<a href="#">56.2938, 0.3114, 0.4638</a>
Android (android.graphics.Color)	<a href="#">4286765690</a> ( <a href="#">0xFF82DA7A</a> )
YUV	<a href="#">180.7440, -28.9608, -44.5025</a>
Hunter-Lab	<a href="#">75.0292, -41.3811, 30.9590</a>

# Details

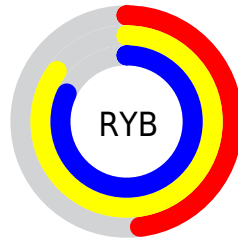
The Yxy color **56.2938, 0.3114, 0.4638** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.6738, 0.3098, 0.2192**, and the grayscale version is **46.2386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2194, 0.3150, 0.4189**, and **27.7514, 0.3066, 0.5040** is the 20% darker color. If you saturate the color by 10%, you get **54.3853, 0.3102, 0.4988**, and if you desaturate by 10%, it is **58.6348, 0.3122, 0.4290**.

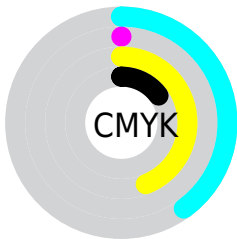
# Distribution



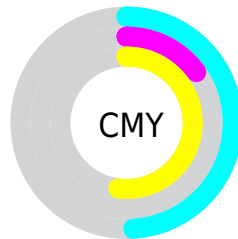
- Red (51%)
- Green (85%)
- Blue (48%)



- Red (48%)
- Yellow (85%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)




- Cyan (49%)
- Magenta (15%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2938, 0.3114, 0.4638 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 56.2938, 0.3114, 0.4638 by changing the saturation by 10% instead.





 56.2938, 0.3114,  
0.4638

 56.2938, 0.3114,  
0.4638


410.7978, 0.3149,  
0.3944


 40.4385, 0.3096,  
0.4815


 99.4340, 0.3134,  
0.4383

 27.8806, 0.3066,  
0.5042


 127.4877, 0.3139,  
0.4287

 18.2357, 0.3017,  
0.5343


 160.3764, 0.3143,  
0.4207

 11.1193, 0.2931,  
0.5756

198.4844, 0.3145,  
0.4139

 6.1472, 0.2766,  
0.6346

242.1962, 0.3147,  
0.4080

 2.9348, 0.2516,  
0.7484

291.8961, 0.3148,

 1.0978, 0.0000,

0.4029

1.0000

347.9685, 0.3149,  
0.3984

0.0000, 0.0000,  
0.0000

56.2938, 0.3114,  
0.4638

56.2938, 0.3114,  
0.4638

54.3853, 0.3102,  
0.4988

58.6348, 0.3122,  
0.4290

52.8761, 0.3086,  
0.5318

61.4249, 0.3127,  
0.3960

51.7398, 0.3067,  
0.5600

64.6886, 0.3128,  
0.3659

50.9436, 0.3046,  
0.5813


68.4465, 0.3128,  
0.3389

50.4490, 0.3025,  
0.5942

72.7179, 0.3126,  
0.3153

 50.2723, 0.3016,  
0.5987

 77.5212, 0.3123,  
0.2947

 78.6209, 0.3144,  
0.2930

# Harmonies

## Analogous

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



56.2938, 0.3852, 0.4690



56.2938, 0.3114, 0.4638



56.2938, 0.2419, 0.4030

# Triad

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



56.2938, 0.3114, 0.4638



56.2938, 0.1909, 0.2181



56.2938, 0.4443, 0.3184

# Complementary

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



56.2938, 0.3114, 0.4638



32.6738, 0.3098, 0.2192

# 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.



56.2938, 0.3783, 0.2672



56.2938, 0.3114, 0.4638



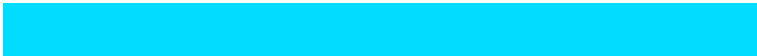
56.2938, 0.2314, 0.2118

# Square

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



56.2938, 0.3114, 0.4638



56.2938, 0.1784, 0.2529



56.2938, 0.2979, 0.2296



56.2938, 0.4679, 0.3754

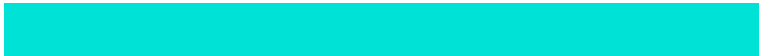


# Rectangle

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



56.2938, 0.3114, 0.4638



56.2938, 0.2074, 0.3464



56.2938, 0.2979, 0.2296



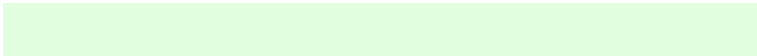
56.2938, 0.4260, 0.3003

# Sweetspot

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



56.2962, 0.3114, 0.4638



92.7343, 0.3128, 0.3633



61.6154, 0.3822, 0.4276



19.6112, 0.3128, 0.3696



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.



56.2962, 0.3114, 0.4638



77.7130, 0.3103, 0.4969



56.8305, 0.2847, 0.4099



14.6582, 0.3128, 0.3531



30.1386, 0.3020, 0.5984



1.9710, 0.3077, 0.5939



# Inverse Universe

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



32.6738, 0.3098, 0.2192



39.7891, 0.3085, 0.1982



32.1028, 0.3583, 0.2610



13.2164, 0.3125, 0.3059



10.3882, 0.3000, 0.1426



0.6897, 0.3036, 0.1446



# Previews

## White Background



This preview shows how the Yxy color 56.2938, 0.3114, 0.4638 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 56.2938, 0.3114, 0.4638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

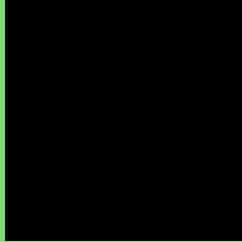
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.2938, 0.3114, 0.4638**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.2938, 0.3114, 0.4638.



This preview shows how white text looks on a background with the Yxy color 56.2938, 0.3114, 0.4638.

# 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

56.2938, 0.3114, 0.4638

### Protanopia

55.7463, 0.3916, 0.4254

### Deuteranopia

55.3843, 0.4027, 0.3945



## Tritanopia

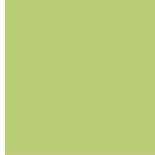
55.8599, 0.2630, 0.3074

# Trichromacy



## Original Color

56.2938, 0.3114, 0.4638



## Protanomaly

55.2613, 0.3592, 0.4406



## Deuteranomaly

54.2235, 0.3656, 0.4198



## Tritanomaly

55.3891, 0.2809, 0.3612

# Monochromacy



## Original Color

56.2938, 0.3114, 0.4638



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.8030, 0.3121, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.2938, 0.3114, 0.4638 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(130, 218, 122)` looks like.

```
.text, #text, p{  
    color:rgb(130, 218, 122)  
}
```

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(130, 218, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 218, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2938, 0.3114, 0.4638 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(130, 218, 122) }
```

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

```
.border{ border-color:rgb(130, 218, 122) }
```

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

Here you see how a box with a 4 pixel rgb(130, 218, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 218, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 218, 122);  
box-shadow:4px 4px 4px 4px rgb(130, 218,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2938, 0.3114, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 218, 122) }
```

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

```
.background{ background-color: rgb(130,  
218, 122) }
```

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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