

# Converting Colors

$Yxy(57.5414, 0.2615, 0.3923)$

Have a look what the booklet for  
Yxy(57.5414, 0.2615, 0.3923)  
contains.

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# Color

**Yxy(57.6410, 0.2615, 0.3929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BDEB1
RGB	91, 222, 177
RGB Percent	36%, 87%, 69%
CMY	0.6436, 0.1294, 0.3059
CMYK	0.59, 0.00, 0.20, 0.13
HSL	159°, 67%, 61%
HSV	159°, 59%, 87%
XYZ	38.3638, 57.6410, 50.7018
YIQ	177.7010, -63.6310, -41.7670

# Conversions

## Conversions Part 2

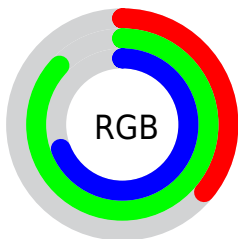
Format	Color
<a href="#">RYB</a>	<a href="#">91, 170, 222</a>
Decimal	<a href="#">6020785</a>
CIELab	<a href="#">80.54, -46.60, 11.43</a>
CIElCh	<a href="#">81, 47.982, 166.222</a>
Yxy	<a href="#">57.6410, 0.2615, 0.3929</a>
Android (android.graphics.Color)	<a href="#">4284210865 (0xFF5BDEB1)</a>
YUV	<a href="#">177.7010, -0.3456, -76.0368</a>
Hunter-Lab	<a href="#">75.9217, -42.6656, 13.5503</a>

# Details

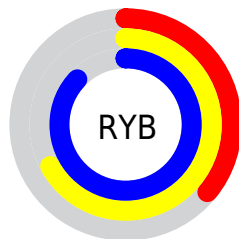
The Yxy color **57.6410, 0.2615, 0.3929** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **24.7703, 0.4299, 0.2781**, and the grayscale version is **44.3683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0786, 0.2670, 0.3541**, and **28.7277, 0.2478, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **56.3831, 0.2575, 0.4060**, and if you desaturate by 10%, it is **59.2540, 0.2673, 0.3802**.

# Distribution



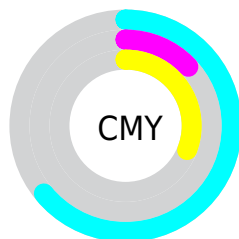
- Red (36%)
- Green (87%)
- Blue (69%)



- Red (36%)
- Yellow (67%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)




- Cyan (64%)
- Magenta (13%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6410, 0.2615, 0.3929 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 57.6410, 0.2615, 0.3929 by changing the saturation by 10% instead.




 57.6410, 0.2615,  
0.3929

 57.6410, 0.2615,  
0.3929


415.8469, 0.2867,  
0.3608

 41.5201, 0.2553,  
0.4009


 101.3999, 0.2706,  
0.3812

 28.7257, 0.2475,  
0.4112

 129.8067, 0.2740,  
0.3768

 18.8734, 0.2373,  
0.4250


 163.0775, 0.2769,  
0.3731

 11.5788, 0.2233,  
0.4441

 201.5969, 0.2794,  
0.3700

 6.4576, 0.2032,  
0.4724

245.7491, 0.2816,  
0.3672

 3.1253, 0.1720,  
0.5184

295.9186, 0.2835,

 1.1975, 0.0000,

0.3648

0.7175

352.4897, 0.2852,  
0.3627

■ 0.0596, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6410, 0.2615,  
0.3929

■ 57.6410, 0.2615,  
0.3929

■ 56.3831, 0.2575,  
0.4060

■ 59.2540, 0.2673,  
0.3802

■ 55.4426, 0.2555,  
0.4193


■ 61.2422, 0.2747,  
0.3681


■ 54.7857, 0.2555,  
0.4326


■ 63.6321, 0.2834,  
0.3568

■ 54.3552, 0.2573,  
0.4456

■ 66.4460, 0.2929,  
0.3463


 54.3194, 0.2575,  
0.4468

 69.7045, 0.3031,  
0.3368

 73.4266, 0.3137,  
0.3282

 77.6304, 0.3244,  
0.3206

 79.6813, 0.3255,  
0.3133

 80.1388, 0.3204,  
0.3059

# Harmonies

## Analogous

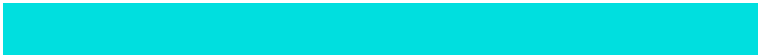
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.6410, 0.3196, 0.4365



57.6410, 0.2615, 0.3929



57.6410, 0.2197, 0.3287

# Triad

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



57.6410, 0.2615, 0.3929



57.6410, 0.2424, 0.2319



57.6410, 0.4372, 0.3653

# Complementary

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



57.6410, 0.2615, 0.3929



24.7703, 0.4299, 0.2781

# 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.



57.6410, 0.4136, 0.3176



57.6410, 0.2615, 0.3929



57.6410, 0.2956, 0.2447

# Square

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



57.6410, 0.2615, 0.3929



57.6410, 0.2103, 0.2405



57.6410, 0.3595, 0.2750



57.6410, 0.4230, 0.4103

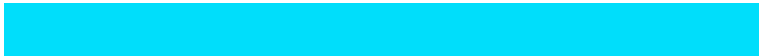


# Rectangle

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



57.6410, 0.2615, 0.3929



57.6410, 0.2053, 0.2895



57.6410, 0.3595, 0.2750



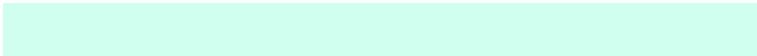
57.6410, 0.4335, 0.3493

# Sweetspot

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



57.6433, 0.2615, 0.3929



91.3364, 0.2938, 0.3454



58.3037, 0.3309, 0.5039



19.2913, 0.2909, 0.3484



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.



57.6433, 0.2615, 0.3929



76.8177, 0.2568, 0.4093



49.8969, 0.2341, 0.3019



15.4882, 0.3027, 0.3372



32.2817, 0.2569, 0.4449



2.2542, 0.2513, 0.4248



# Inverse Universe

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



24.7703, 0.4299, 0.2781



27.9311, 0.4708, 0.2732



27.5585, 0.4801, 0.3514



13.7778, 0.3238, 0.3210



9.5547, 0.5594, 0.2855



0.6787, 0.5162, 0.2617



# Previews

## White Background



This preview shows how the Yxy color 57.6410, 0.2615, 0.3929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

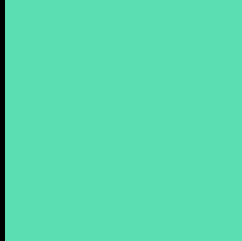
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.6410, 0.2615, 0.3929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

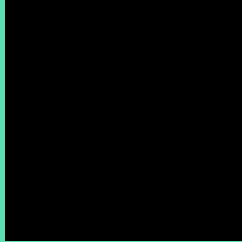
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.6410, 0.2615, 0.3929**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.6410, 0.2615, 0.3929.



This preview shows how white text looks on a background with the Yxy color 57.6410, 0.2615, 0.3929.

# 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

57.6410, 0.2615, 0.3929

### Protanopia

56.6601, 0.3467, 0.3687

### Deuteranopia

56.4103, 0.3449, 0.3371



## Tritanopia

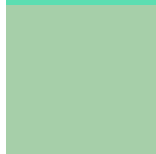
57.7421, 0.2408, 0.3069

# Trichromacy



## Original Color

57.6410, 0.2615, 0.3929



## Protanomaly

55.5972, 0.3081, 0.3790



## Deuteranomaly

54.6912, 0.3069, 0.3560



## Tritanomaly

57.7798, 0.2481, 0.3369

# Monochromacy



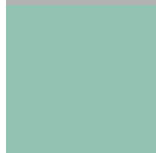
## Original Color

57.6410, 0.2615, 0.3929



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

47.9089, 0.2873, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.6410, 0.2615, 0.3929 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(91, 222, 177)` looks like.

```
.text, #text, p{  
  color:rgb(91, 222, 177)  
}
```

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(91, 222, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 222, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6410, 0.2615, 0.3929 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(91, 222, 177) }
```

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

```
.border{ border-color:rgb(91, 222, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 222, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 222, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 222, 177);  
box-shadow:4px 4px 4px 4px rgb(91, 222,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6410, 0.2615, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 222, 177) }
```

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

```
.background{ background-color: rgb(91, 222,  
177) }
```

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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