

# Converting Colors

$Yxy(48.0191, 0.2536, 0.3635)$

Have a look what the booklet for  
Yxy(48.0191, 0.2536, 0.3635)  
contains.

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# Color

**Yxy(48.0334, 0.2535, 0.3632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57CBB4
RGB	87, 203, 180
RGB Percent	34%, 80%, 71%
CMY	0.6588, 0.2039, 0.2941
CMYK	0.57, 0.00, 0.11, 0.20
HSL	168°, 53%, 57%
HSV	168°, 57%, 80%
XYZ	33.5255, 48.0334, 50.6916
YIQ	165.6940, -61.7530, -31.7450

# Conversions

## Conversions Part 2

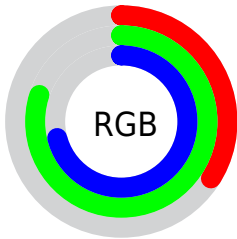
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 151, 203
Decimal	5753780
CIELab	74.85, -38.30, 1.62
CIELCh	75, 38.335, 177.574
Yxy	48.0334, 0.2535, 0.3632
Android (android.graphics.Color)	4283943860 (0xFF57CBB4)
YUV	165.6940, 7.0529, -69.0146
Hunter-Lab	69.3061, -34.9398, 5.1486

# Details

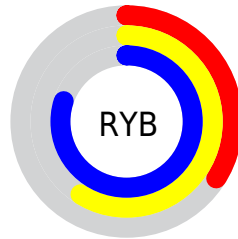
The Yxy color **48.0334, 0.2535, 0.3632** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.6390, 0.4498, 0.3009**, and the grayscale version is **37.9668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6871, 0.2630, 0.3507**, and **22.7186, 0.2372, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **47.0301, 0.2479, 0.3703**, and if you desaturate by 10%, it is **49.3199, 0.2609, 0.3563**.

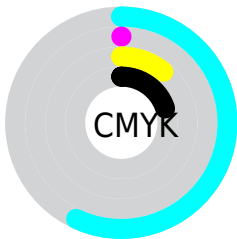
# Distribution



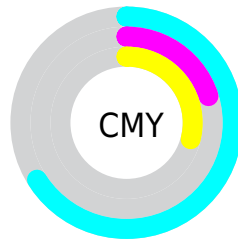
- Red (34%)
- Green (80%)
- Blue (71%)



- Red (34%)
- Yellow (59%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)




- Cyan (66%)
- Magenta (20%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0334, 0.2535, 0.3632 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 48.0334, 0.2535, 0.3632 by changing the saturation by 10% instead.





 48.0334, 0.2535,  
0.3632


 48.0334, 0.2535,  
0.3632


378.9245, 0.2828,  
0.3461


 33.8533, 0.2463,  
0.3674


 87.2541, 0.2641,  
0.3570

 22.7810, 0.2371,  
0.3729


 113.0636, 0.2681,  
0.3547

 14.4318, 0.2250,  
0.3801


 143.5183, 0.2715,  
0.3527

 8.4216, 0.2084,  
0.3901

 179.0027, 0.2744,  
0.3510

 4.3659, 0.1843,  
0.4048

219.9011, 0.2769,  
0.3496

 1.8803, 0.1434,  
0.4300

266.5979, 0.2791,

 0.5365, 0.0000,

0.3483

0.5327

319.4776, 0.2811,  
0.3471

0.0000, 0.0000,  
0.0000

48.0334, 0.2535,  
0.3632

48.0334, 0.2535,  
0.3632

47.0301, 0.2479,  
0.3703

49.3199, 0.2609,  
0.3563

46.2807, 0.2443,  
0.3775

50.9049, 0.2699,  
0.3497

45.7592, 0.2425,  
0.3847

52.8093, 0.2802,  
0.3435

45.4281, 0.2426,  
0.3919

55.0505, 0.2916,  
0.3378

45.3494, 0.2428,  
0.3939

57.6445, 0.3037,  
0.3325

■ 60.6066, 0.3164,  
0.3277

■ 63.9507, 0.3292,  
0.3234

■ 67.6904, 0.3421,  
0.3196

■ 68.9424, 0.3434,  
0.3156

# Harmonies

## Analogous

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



48.0334, 0.2998, 0.4085



48.0334, 0.2535, 0.3632



48.0334, 0.2244, 0.3100

# Triad

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



48.0334, 0.2535, 0.3632



48.0334, 0.2682, 0.2470



48.0334, 0.4179, 0.3771

# Complementary

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



48.0334, 0.2535, 0.3632



20.6390, 0.4498, 0.3009

# 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.



48.0334, 0.4095, 0.3357



48.0334, 0.2535, 0.3632



48.0334, 0.3189, 0.2644

# Square

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



48.0334, 0.2535, 0.3632



48.0334, 0.2325, 0.2477



48.0334, 0.3720, 0.2958



48.0334, 0.3957, 0.4112



# Rectangle

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



48.0334, 0.2535, 0.3632



48.0334, 0.2171, 0.2804



48.0334, 0.3720, 0.2958



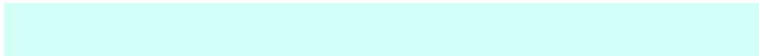
48.0334, 0.4187, 0.3636

# Sweetspot

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



48.0353, 0.2535, 0.3632



92.1441, 0.2915, 0.3378



46.7292, 0.3184, 0.5039



19.5492, 0.2891, 0.3390



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.



48.0353, 0.2535, 0.3632



78.3588, 0.2467, 0.3723



34.4182, 0.2304, 0.2758



12.6875, 0.3009, 0.3336



28.8724, 0.2425, 0.3929



1.4995, 0.2386, 0.3789



# Inverse Universe

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



20.6390, 0.4498, 0.3009



28.0722, 0.5009, 0.2987



27.2554, 0.4556, 0.3730



11.2494, 0.3259, 0.3244



8.1889, 0.6062, 0.3113

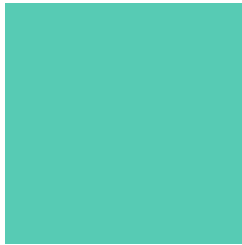


0.4334, 0.5520, 0.2814



# Previews

## White Background



This preview shows how the Yxy color 48.0334, 0.2535, 0.3632 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 48.0334, 0.2535, 0.3632 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

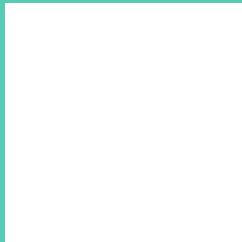
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0334, 0.2535, 0.3632**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0334, 0.2535, 0.3632.

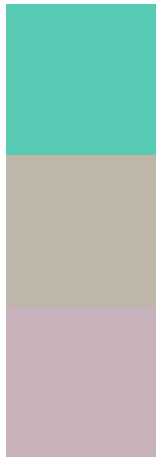


This preview shows how white text looks on a background with the Yxy color 48.0334, 0.2535, 0.3632.

# 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

48.0334, 0.2535, 0.3632

### Protanopia

47.2676, 0.3302, 0.3458

### Deuteranopia

47.1316, 0.3246, 0.3178



## Tritanopia

47.8959, 0.2398, 0.3065

# Trichromacy



**Original Color**

48.0334, 0.2535, 0.3632

**Protanomaly**

46.6163, 0.2958, 0.3527

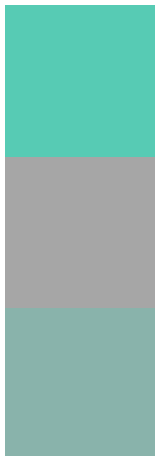
**Deuteranomaly**

45.8476, 0.2916, 0.3317

**Tritanomaly**

48.0057, 0.2447, 0.3259

# Monochromacy



**Original Color**

48.0334, 0.2535, 0.3632

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

40.4988, 0.2843, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0334, 0.2535, 0.3632 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(87, 203, 180)` looks like.

```
.text, #text, p{  
    color:rgb(87, 203, 180)  
}
```

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(87, 203, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 203, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0334, 0.2535, 0.3632 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(87, 203, 180) }
```

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

```
.border{ border-color:rgb(87, 203, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 203, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 203, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 203, 180);  
box-shadow:4px 4px 4px 4px rgb(87, 203,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0334, 0.2535, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 203, 180) }
```

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

```
.background{ background-color: rgb(87, 203,  
180) }
```

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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