

# Converting Colors

$Yxy(58.5516, 0.2547, 0.4029)$

Have a look what the booklet for  
Yxy(58.5516, 0.2547, 0.4029)  
contains.

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**Color**

**Yxy(58.5778, 0.2546, 0.4025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40E2AF
RGB	64, 226, 175
RGB Percent	25%, 89%, 69%
CMY	0.7485, 0.1137, 0.3138
CMYK	0.72, 0.00, 0.23, 0.11
HSL	161°, 74%, 57%
HSV	161°, 72%, 89%
XYZ	37.0532, 58.5778, 49.9039
YIQ	171.7480, -80.1810, -50.2050

# Conversions

## Conversions Part 2

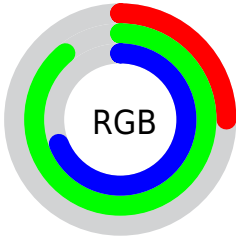
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">64, 160, 226</a>
Decimal	<a href="#">4252335</a>
CIELab	<a href="#">81.06, -53.10, 13.14</a>
CIELCh	<a href="#">81, 54.702, 166.099</a>
Yxy	<a href="#">58.5778, 0.2546, 0.4025</a>
Android (android.graphics.Color)	<a href="#">4282442415 (0xFF40E2AF)</a>
YUV	<a href="#">171.7480, 1.6032, -94.4950</a>
Hunter-Lab	<a href="#">76.5361, -47.5216, 14.9164</a>

# Details

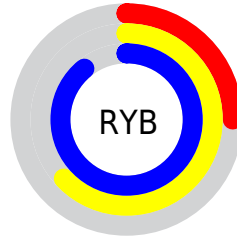
The Yxy color **58.5778, 0.2546, 0.4025** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.0901, 0.4789, 0.2782**, and the grayscale version is **41.1609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1951, 0.2593, 0.3570**, and **30.1546, 0.2508, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **57.6957, 0.2529, 0.4146**, and if you desaturate by 10%, it is **59.7862, 0.2583, 0.3905**.

# Distribution



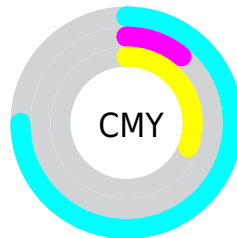
- Red (25%)
- Green (89%)
- Blue (69%)



- Red (25%)
- Yellow (63%)
- Blue (89%)



- Cyan (72%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)




- Cyan (75%)
- Magenta (11%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5778, 0.2546, 0.4025 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 58.5778, 0.2546, 0.4025 by changing the saturation by 10% instead.





 58.5778, 0.2546,  
0.4025


 58.5778, 0.2546,  
0.4025


419.3355, 0.2832,  
0.3655


 42.2733, 0.2476,  
0.4118


 102.7638, 0.2649,  
0.3890


 29.3154, 0.2388,  
0.4237


 131.4141, 0.2688,  
0.3840

 19.3195, 0.2272,  
0.4395


 164.9485, 0.2721,  
0.3797

 11.9014, 0.2115,  
0.4616

 203.7514, 0.2749,  
0.3761

 6.6766, 0.1890,  
0.4943

248.2071, 0.2774,  
0.3729

 3.2607, 0.1547,  
0.5469

298.7001, 0.2796,

 1.2693, 0.0000,

0.3701

355.6148, 0.2815,  
0.3677

0.7539

0.1172, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.5778, 0.2546,  
0.4025

58.5778, 0.2546,  
0.4025

57.6957, 0.2529,  
0.4146

59.7862, 0.2583,  
0.3905


57.0932, 0.2532,  
0.4267

61.3473, 0.2640,  
0.3788

56.7505, 0.2546,  
0.4367

63.2923, 0.2712,  
0.3676


65.6473, 0.2799,  
0.3570

 68.4358, 0.2896,  
0.3473

 71.6797, 0.3000,  
0.3383

 75.3994, 0.3109,  
0.3302

 79.6138, 0.3221,  
0.3230

 81.8881, 0.3244,  
0.3161

# Harmonies

## Analogous

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



58.5778, 0.3196, 0.4525



58.5778, 0.2546, 0.4025



58.5778, 0.2085, 0.3281

# Triad

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



58.5778, 0.2546, 0.4025



58.5778, 0.2336, 0.2208



58.5778, 0.4534, 0.3677

# Complementary

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



58.5778, 0.2546, 0.4025



21.0901, 0.4789, 0.2782

# 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.



58.5778, 0.4270, 0.3150



58.5778, 0.2546, 0.4025



58.5778, 0.2927, 0.2350

# Square

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



58.5778, 0.2546, 0.4025



58.5778, 0.1984, 0.2297



58.5778, 0.3650, 0.2684



58.5778, 0.4365, 0.4185

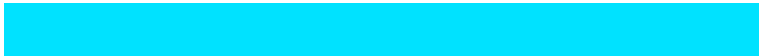


# Rectangle

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



58.5778, 0.2546, 0.4025



58.5778, 0.1928, 0.2835



58.5778, 0.3650, 0.2684



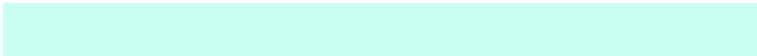
58.5778, 0.4495, 0.3499

# Sweetspot

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



58.5801, 0.2546, 0.4025



90.1804, 0.2901, 0.3468



58.4338, 0.3264, 0.5412



19.0698, 0.2873, 0.3494



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.



58.5801, 0.2546, 0.4025



75.4303, 0.2528, 0.4206



46.2097, 0.2217, 0.2873



15.4950, 0.3024, 0.3365



32.3994, 0.2541, 0.4348



2.2617, 0.2490, 0.4164



# Inverse Universe

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



21.0901, 0.4789, 0.2782



23.5196, 0.5322, 0.2819



24.5101, 0.5298, 0.3579



13.7713, 0.3243, 0.3216



9.5044, 0.5699, 0.2913

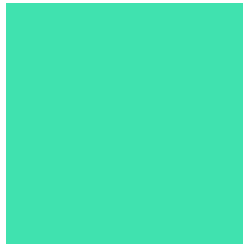


0.6746, 0.5260, 0.2672



# Previews

## White Background



This preview shows how the Yxy color 58.5778, 0.2546, 0.4025 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 58.5778, 0.2546, 0.4025 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

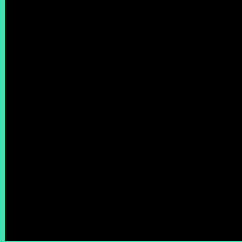
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

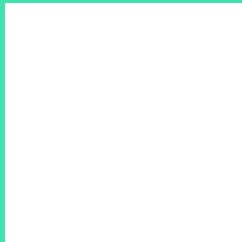
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.5778, 0.2546, 0.4025**

## Background



This preview shows how black text looks on a background with the Yxy color 58.5778, 0.2546, 0.4025.



This preview shows how white text looks on a background with the Yxy color 58.5778, 0.2546, 0.4025.

# 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

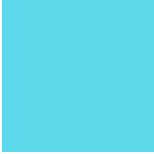
58.5778, 0.2546, 0.4025

### Protanopia

57.4525, 0.3513, 0.3731

### Deuteranopia

57.0842, 0.3481, 0.3405



## **Tritanopia**

58.4742, 0.2332, 0.3055

# Trichromacy



## Original Color

58.5778, 0.2546, 0.4025



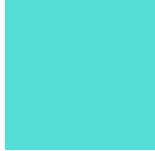
## Protanomaly

55.6600, 0.3036, 0.3851



## Deuteranomaly

54.5474, 0.3015, 0.3618



## Tritanomaly

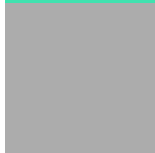
58.3618, 0.2404, 0.3383

# Monochromacy



## Original Color

58.5778, 0.2546, 0.4025



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

45.7029, 0.2813, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5778, 0.2546, 0.4025 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(64, 226, 175)` looks like.

```
.text, #text, p{  
    color:rgb(64, 226, 175)  
}
```

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(64, 226, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5778, 0.2546, 0.4025 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(64, 226, 175) }
```

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

```
.border{ border-color:rgb(64, 226, 175) }
```

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

Here you see how a box with a 4 pixel rgb(64, 226, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 175);  
box-shadow:4px 4px 4px 4px rgb(64, 226,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5778, 0.2546, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 175) }
```

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

```
.background{ background-color: rgb(64, 226,  
175) }
```

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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