

# Converting Colors

$Yxy(58.2468, 0.2518, 0.3951)$

Have a look what the booklet for  
Yxy(58.2468, 0.2518, 0.3951)  
contains.

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# Color

**Yxy(58.1292, 0.2519, 0.3952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EE1B3
RGB	62, 225, 179
RGB Percent	24%, 88%, 70%
CMY	0.7565, 0.1176, 0.2981
CMYK	0.72, 0.00, 0.20, 0.12
HSL	163°, 73%, 56%
HSV	163°, 72%, 88%
XYZ	37.0515, 58.1292, 51.9074
YIQ	171.0190, -82.3820, -48.8620

# Conversions

## Conversions Part 2

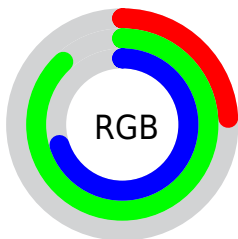
Format	Color
<a href="#">RYB</a>	<a href="#">62, 157, 225</a>
Decimal	<a href="#">4121011</a>
CIELab	<a href="#">80.81, -52.04, 10.68</a>
CIELCh	<a href="#">81, 53.119, 168.405</a>
Yxy	<a href="#">58.1292, 0.2519, 0.3952</a>
Android (android.graphics.Color)	<a href="#">4282311091 (0xFF3EE1B3)</a>
YUV	<a href="#">171.0190, 3.9346, -95.6097</a>
Hunter-Lab	<a href="#">76.2425, -46.6790, 13.0040</a>

# Details

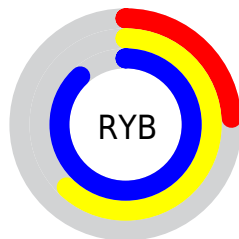
The Yxy color **58.1292, 0.2519, 0.3952** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed spring green. A complement of this color would be **20.5482, 0.4905, 0.2840**, and the grayscale version is **40.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3435, 0.2571, 0.3522**, and **29.8823, 0.2480, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **57.2961, 0.2501, 0.4060**, and if you desaturate by 10%, it is **59.2798, 0.2558, 0.3845**.

# Distribution



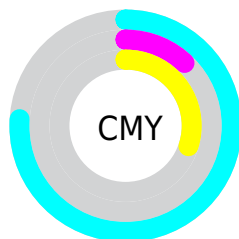
- Red (24%)
- Green (88%)
- Blue (70%)



- Red (24%)
- Yellow (62%)
- Blue (88%)



- Cyan (72%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)




- Cyan (76%)
- Magenta (12%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1292, 0.2519, 0.3952 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 58.1292, 0.2519, 0.3952 by changing the saturation by 10% instead.





 58.1292, 0.2519,  
0.3952

 58.1292, 0.2519,  
0.3952


417.6672, 0.2816,  
0.3621


 41.9125, 0.2447,  
0.4035

 102.1110, 0.2625,  
0.3832


 29.0328, 0.2356,  
0.4140


 130.6449, 0.2666,  
0.3786

 19.1056, 0.2238,  
0.4281


 164.0533, 0.2700,  
0.3748

 11.7466, 0.2077,  
0.4476

 202.7207, 0.2730,  
0.3715

 6.5714, 0.1850,  
0.4762

247.0313, 0.2756,  
0.3687

 3.1955, 0.1506,  
0.5222

297.3697, 0.2778,

 1.2347, 0.0000,

0.3662

0.6892

354.1202, 0.2798,  
0.3640

■ 0.0897, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1292, 0.2519,  
0.3952

■ 58.1292, 0.2519,  
0.3952

■ 57.2961, 0.2501,  
0.4060

■ 59.2798, 0.2558,  
0.3845


■ 56.7335, 0.2502,  
0.4167

■ 60.7742, 0.2615,  
0.3741


■ 56.4391, 0.2513,  
0.4247


■ 62.6437, 0.2690,  
0.3642


■ 64.9140, 0.2778,  
0.3547

 67.6086, 0.2878,  
0.3460

 70.7492, 0.2986,  
0.3379

 74.3560, 0.3099,  
0.3306

 78.4478, 0.3216,  
0.3241

 81.1769, 0.3264,  
0.3180

# Harmonies

## Analogous

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



58.1292, 0.3145, 0.4468



58.1292, 0.2519, 0.3952



58.1292, 0.2086, 0.3229

# Triad

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



58.1292, 0.2519, 0.3952



58.1292, 0.2392, 0.2236



58.1292, 0.4500, 0.3712

# Complementary

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



58.1292, 0.2519, 0.3952



20.5482, 0.4905, 0.2840

# 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.



58.1292, 0.4274, 0.3194



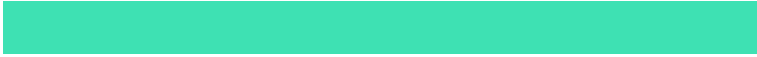
58.1292, 0.2519, 0.3952



58.1292, 0.2984, 0.2390

# Square

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



58.1292, 0.2519, 0.3952



58.1292, 0.2028, 0.2306



58.1292, 0.3691, 0.2730



58.1292, 0.4307, 0.4201

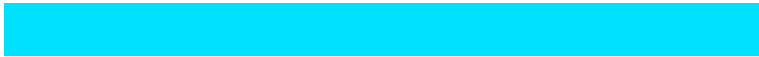


# Rectangle

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



58.1292, 0.2519, 0.3952



58.1292, 0.1946, 0.2806



58.1292, 0.3691, 0.2730



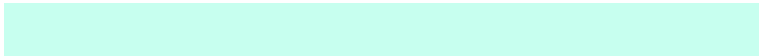
58.1292, 0.4473, 0.3538

# Sweetspot

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



58.1315, 0.2519, 0.3952



89.8896, 0.2881, 0.3458



57.4029, 0.3231, 0.5453



19.0177, 0.2853, 0.3481



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.



58.1315, 0.2519, 0.3952



75.6666, 0.2499, 0.4115



43.1621, 0.2191, 0.2787



15.5029, 0.3019, 0.3357



32.5440, 0.2508, 0.4230



2.2709, 0.2463, 0.4067



# Inverse Universe

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



20.5482, 0.4905, 0.2840



23.1971, 0.5468, 0.2890



24.9783, 0.5275, 0.3636



13.7639, 0.3248, 0.3224



9.4520, 0.5815, 0.2977

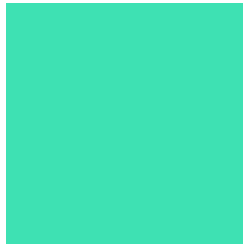


0.6702, 0.5373, 0.2734



# Previews

## White Background



This preview shows how the Yxy color 58.1292, 0.2519, 0.3952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

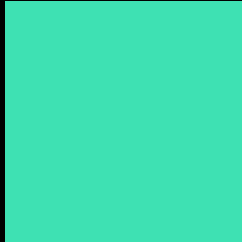
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1292, 0.2519, 0.3952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

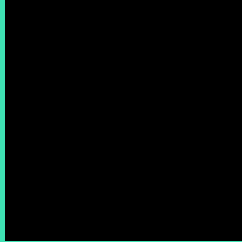
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

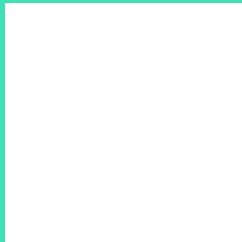
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1292, 0.2519, 0.3952**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1292, 0.2519, 0.3952.

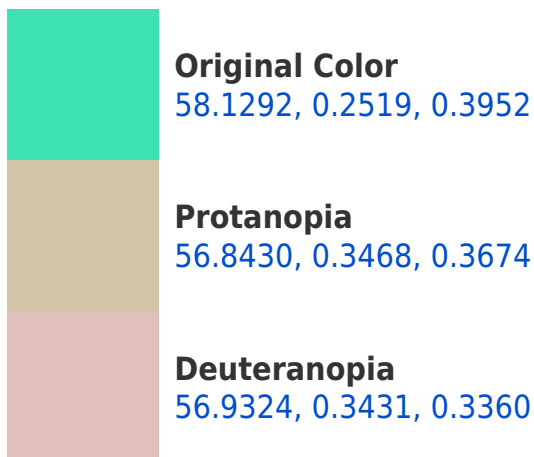


This preview shows how white text looks on a background with the Yxy color 58.1292, 0.2519, 0.3952.

# 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





## Tritanopia

57.7477, 0.2323, 0.3054

# Trichromacy



## Original Color

58.1292, 0.2519, 0.3952



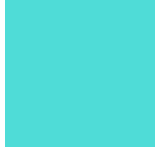
## Protanomaly

55.1199, 0.2996, 0.3786



## Deuteranomaly

54.4971, 0.2973, 0.3565



## Tritanomaly

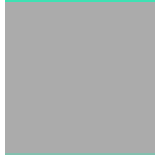
57.7550, 0.2387, 0.3356

# Monochromacy



## Original Color

58.1292, 0.2519, 0.3952



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

45.1429, 0.2791, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1292, 0.2519, 0.3952 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(62, 225, 179)` looks like.

```
.text, #text, p{  
    color:rgb(62, 225, 179)  
}
```

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(62, 225, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 225, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1292, 0.2519, 0.3952 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(62, 225, 179) }
```

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

```
.border{ border-color:rgb(62, 225, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 225, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 225, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 225, 179);  
box-shadow:4px 4px 4px 4px rgb(62, 225,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1292, 0.2519, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 225, 179) }
```

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

```
.background{ background-color: rgb(62, 225,  
179) }
```

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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