

# Converting Colors

$Yxy(58.9670, 0.2515, 0.3993)$

Have a look what the booklet for  
Yxy(58.9670, 0.2515, 0.3993)  
contains.

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# Color

**Yxy(58.9933, 0.2515, 0.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38E3B2
RGB	56, 227, 178
RGB Percent	22%, 89%, 70%
CMY	0.7799, 0.1098, 0.3020
CMYK	0.75, 0.00, 0.22, 0.11
HSL	163°, 75%, 56%
HSV	163°, 75%, 89%
XYZ	37.1385, 58.9933, 51.5361
YIQ	170.2850, -86.1870, -51.4910

# Conversions

## Conversions Part 2

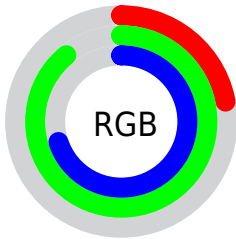
Format	Color
<a href="#">RYB</a>	<a href="#">56, 156, 227</a>
Decimal	<a href="#">3728306</a>
CIELab	<a href="#">81.29, -53.81, 11.87</a>
CIElCh	<a href="#">81, 55.101, 167.556</a>
Yxy	<a href="#">58.9933, 0.2515, 0.3995</a>
Android (android.graphics.Color)	<a href="#">4281918386 (0xFF38E3B2)</a>
YUV	<a href="#">170.2850, 3.8035, -100.2279</a>
Hunter-Lab	<a href="#">76.8071, -48.1025, 13.9825</a>

# Details

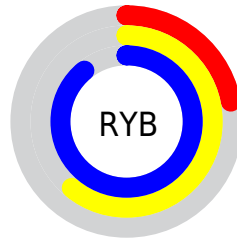
The Yxy color **58.9933, 0.2515, 0.3995** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **20.1933, 0.5003, 0.2833**, and the grayscale version is **40.3776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0497, 0.2564, 0.3535**, and **30.2301, 0.2490, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **58.2263, 0.2503, 0.4105**, and if you desaturate by 10%, it is **60.0737, 0.2547, 0.3886**.

# Distribution



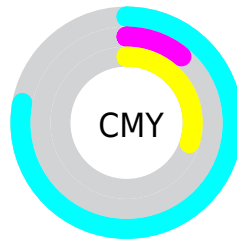
- Red (22%)
- Green (89%)
- Blue (70%)



- Red (22%)
- Yellow (61%)
- Blue (89%)



- Cyan (75%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)




- Cyan (78%)
- Magenta (11%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9933, 0.2515, 0.3995 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 58.9933, 0.2515, 0.3995 by changing the saturation by 10% instead.




 58.9933, 0.2515,  
0.3995


 58.9933, 0.2515,  
0.3995


420.8771, 0.2814,  
0.3642

 42.6077, 0.2443,  
0.4083


 103.3679, 0.2622,  
0.3867


 29.5775, 0.2351,  
0.4196


 132.1258, 0.2663,  
0.3818

 19.5181, 0.2232,  
0.4346


 165.7765, 0.2697,  
0.3778

 12.0452, 0.2070,  
0.4553

 204.7045, 0.2727,  
0.3743

 6.7745, 0.1841,  
0.4859

 249.2941, 0.2753,  
0.3712

 3.3215, 0.1496,  
0.5348

299.9299, 0.2776,

 1.3018, 0.0000,

0.3686

0.7105

356.9961, 0.2796,  
0.3663

■ 0.1426, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9933, 0.2515,  
0.3995

■ 58.9933, 0.2515,  
0.3995

■ 58.2263, 0.2503,  
0.4105

■ 60.0737, 0.2547,  
0.3886


■ 57.7222, 0.2510,  
0.4213


■ 61.4963, 0.2599,  
0.3779


■ 57.5424, 0.2518,  
0.4264


■ 63.2941, 0.2669,  
0.3676


■ 65.4943, 0.2753,  
0.3579

 68.1215, 0.2850,  
0.3488

 71.1983, 0.2955,  
0.3404

 74.7458, 0.3067,  
0.3327

 78.7835, 0.3182,  
0.3258

 82.2883, 0.3260,  
0.3196

# Harmonies

## Analogous

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



58.9933, 0.3162, 0.4518



58.9933, 0.2515, 0.3995



58.9933, 0.2064, 0.3245

# Triad

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



58.9933, 0.2515, 0.3995



58.9933, 0.2356, 0.2206



58.9933, 0.4543, 0.3704

# Complementary

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



58.9933, 0.2515, 0.3995



20.1933, 0.5003, 0.2833

# 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.



58.9933, 0.4299, 0.3174



58.9933, 0.2515, 0.3995



58.9933, 0.2959, 0.2358

# Square

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



58.9933, 0.2515, 0.3995



58.9933, 0.1991, 0.2283



58.9933, 0.3688, 0.2701



58.9933, 0.4352, 0.4211

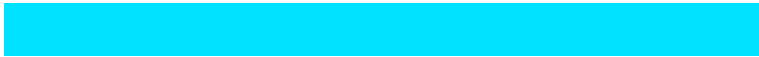


# Rectangle

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



58.9933, 0.2515, 0.3995



58.9933, 0.1916, 0.2804



58.9933, 0.3688, 0.2701



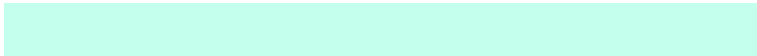
58.9933, 0.4511, 0.3525

# Sweetspot

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



58.9956, 0.2515, 0.3995



89.4861, 0.2872, 0.3469



58.3742, 0.3239, 0.5513



18.8637, 0.2835, 0.3501



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.



58.9956, 0.2515, 0.3995



75.4142, 0.2504, 0.4162



44.4520, 0.2180, 0.2806



16.2622, 0.3020, 0.3358



33.5801, 0.2513, 0.4247



2.4973, 0.2469, 0.4090



# Inverse Universe

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



20.1933, 0.5003, 0.2833



22.7380, 0.5555, 0.2904



23.9795, 0.5422, 0.3604



14.4356, 0.3247, 0.3223



9.7651, 0.5802, 0.2970

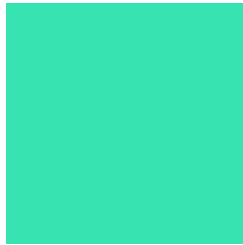


0.7373, 0.5385, 0.2740



# Previews

## White Background



This preview shows how the Yxy color 58.9933, 0.2515, 0.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

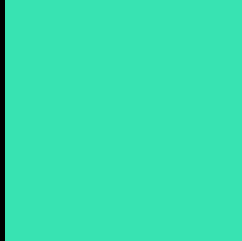
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9933, 0.2515, 0.3995 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

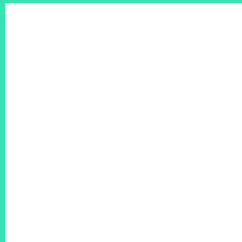
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.9933, 0.2515, 0.3995**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.9933, 0.2515, 0.3995.

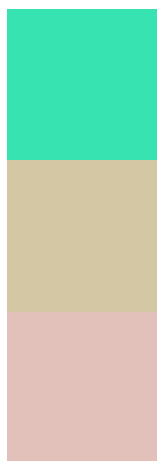


This preview shows how white text looks on a background with the Yxy color 58.9933, 0.2515, 0.3995.

# 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

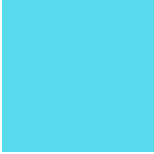
58.9933, 0.2515, 0.3995

### Protanopia

57.9859, 0.3495, 0.3719

### Deuteranopia

57.6503, 0.3454, 0.3382



## **Tritanopia**

58.8037, 0.2314, 0.3055

# Trichromacy



## Original Color

58.9933, 0.2515, 0.3995



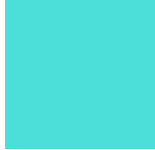
## Protanomaly

55.9263, 0.3002, 0.3839



## Deuteranomaly

54.9326, 0.2980, 0.3591



## Tritanomaly

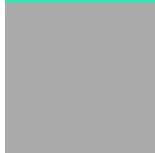
58.7369, 0.2380, 0.3369

# Monochromacy



## Original Color

58.9933, 0.2515, 0.3995



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

44.9459, 0.2784, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9933, 0.2515, 0.3995 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(56, 227, 178)` looks like.

```
.text, #text, p{  
    color:rgb(56, 227, 178)  
}
```

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(56, 227, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 227, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9933, 0.2515, 0.3995 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(56, 227, 178) }
```

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

```
.border{ border-color:rgb(56, 227, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 227, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 227, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 227, 178);  
box-shadow:4px 4px 4px 4px rgb(56, 227,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9933, 0.2515, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 227, 178) }
```

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

```
.background{ background-color: rgb(56, 227,  
178) }
```

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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