

# Converting Colors

$Yxy(50.7817, 0.2395, 0.3495)$

Have a look what the booklet for  
Yxy(50.7817, 0.2395, 0.3495)  
contains.

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# Color

**Yxy(50.5978, 0.2395, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FD1C3
RGB	63, 209, 195
RGB Percent	25%, 82%, 76%
CMY	0.7535, 0.1803, 0.2353
CMYK	0.70, 0.00, 0.07, 0.18
HSL	174°, 61%, 53%
HSV	174°, 70%, 82%
XYZ	34.6927, 50.5978, 59.5643
YIQ	163.7500, -82.5220, -35.3060

# Conversions

## Conversions Part 2

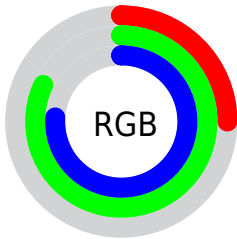
Format	Color
R <sub>Y</sub> B	63, 140, 209
Decimal	4182467
CIE Lab	76.43, -41.10, -4.20
CIE LCh	76, 41.309, 185.836
Yxy	50.5978, 0.2395, 0.3493
Android (android.graphics.Color)	4282372547 (0xFF3FD1C3)
YUV	163.7500, 15.4063, -88.3577
Hunter-Lab	71.1321, -37.4228, 0.1445

# Details

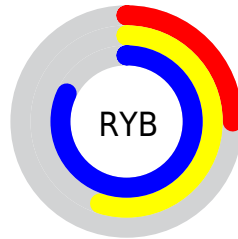
The Yxy color **50.5978, 0.2395, 0.3493** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.6299, 0.5262, 0.3155**, and the grayscale version is **36.9355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2309, 0.2499, 0.3334**, and **25.0343, 0.2319, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **49.9490, 0.2356, 0.3526**, and if you desaturate by 10%, it is **51.5126, 0.2453, 0.3460**.

# Distribution



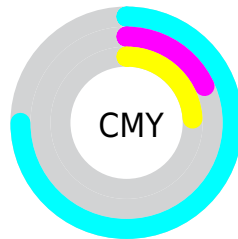
- Red (25%)
- Green (82%)
- Blue (76%)



- Red (25%)
- Yellow (55%)
- Blue (82%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (18%)




- Cyan (75%)
- Magenta (18%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5978, 0.2395, 0.3493 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 50.5978, 0.2395, 0.3493 by changing the saturation by 10% instead.





 50.5978, 0.2395,  
0.3493


 50.5978, 0.2395,  
0.3493


388.9991, 0.2750,  
0.3399


 35.8886, 0.2310,  
0.3514


 91.0600, 0.2521,  
0.3460


 24.3482, 0.2203,  
0.3540


 117.5818, 0.2570,  
0.3448

 15.5921, 0.2065,  
0.3572


 148.8099, 0.2611,  
0.3437

 9.2360, 0.1880,  
0.3612

 185.1287, 0.2646,  
0.3427

 4.8954, 0.1622,  
0.3663

226.9227, 0.2677,  
0.3419

 2.1860, 0.1237,  
0.3724

274.5761, 0.2704,

 0.7124, 0.0000,

0.3411

0.3990

328.4735, 0.2729,  
0.3405

■ 0.0000, 0.0000,  
0.0000

■ 50.5978, 0.2395,  
0.3493

■ 50.5978, 0.2395,  
0.3493

■ 49.9490, 0.2356,  
0.3526

■ 51.5126, 0.2453,  
0.3460

■ 49.5289, 0.2336,  
0.3559

■ 52.7140, 0.2530,  
0.3428

■ 49.2822, 0.2331,  
0.3591

■ 54.2273, 0.2624,  
0.3397

■ 49.2807, 0.2331,  
0.3591

■ 56.0733, 0.2734,  
0.3367

■ 58.2712, 0.2856,  
0.3339

■ 60.8384, 0.2989,  
0.3313

■ 63.7916, 0.3128,  
0.3290

■ 67.1460, 0.3272,  
0.3269

■ 70.9164, 0.3418,  
0.3249

# Harmonies

## Analogous

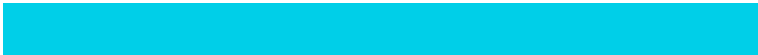
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.5978, 0.2841, 0.4027



50.5978, 0.2395, 0.3493



50.5978, 0.2152, 0.2946

# Triad

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



50.5978, 0.2395, 0.3493



50.5978, 0.2791, 0.2461



50.5978, 0.4204, 0.3904

# Complementary

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



50.5978, 0.2395, 0.3493



17.6299, 0.5262, 0.3155

# 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.



50.5978, 0.4211, 0.3478



50.5978, 0.2395, 0.3493



50.5978, 0.3351, 0.2688

# Square

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



50.5978, 0.2395, 0.3493



50.5978, 0.2365, 0.2411



50.5978, 0.3889, 0.3048



50.5978, 0.3892, 0.4227



# Rectangle

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



50.5978, 0.2395, 0.3493



50.5978, 0.2120, 0.2671



50.5978, 0.3889, 0.3048



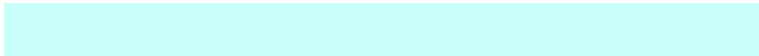
50.5978, 0.4244, 0.3768

# Sweetspot

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



50.5997, 0.2395, 0.3493



90.8936, 0.2839, 0.3343



47.5624, 0.3087, 0.5479



19.2412, 0.2804, 0.3351



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.



50.5997, 0.2395, 0.3493



77.9541, 0.2344, 0.3543



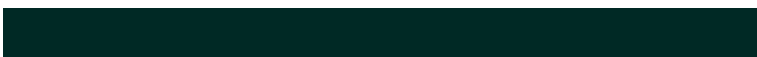
27.6443, 0.2106, 0.2372



13.3867, 0.2996, 0.3312



30.3884, 0.2330, 0.3587



1.7049, 0.2313, 0.3527



# Inverse Universe

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



17.6299, 0.5262, 0.3155



23.1727, 0.5896, 0.3186



27.6663, 0.4870, 0.3955



11.8264, 0.3276, 0.3268



8.3956, 0.6282, 0.3234

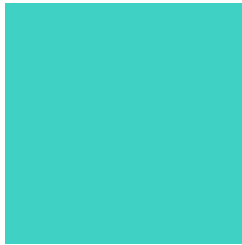


0.4759, 0.5952, 0.3052



# Previews

## White Background



This preview shows how the Yxy color 50.5978, 0.2395, 0.3493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

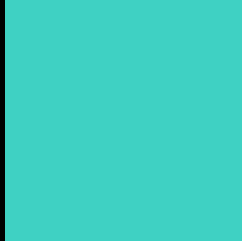
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.5978, 0.2395, 0.3493 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

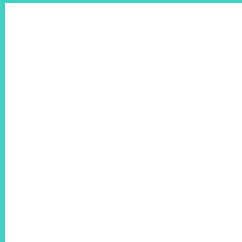
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.5978, 0.2395, 0.3493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5978, 0.2395, 0.3493.

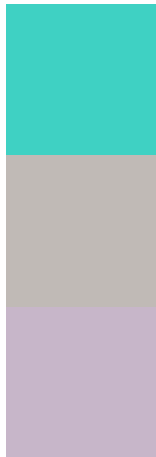


This preview shows how white text looks on a background with the Yxy color 50.5978, 0.2395, 0.3493.

# 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

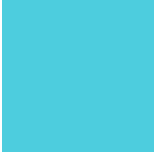
50.5978, 0.2395, 0.3493

### Protanopia

49.7017, 0.3209, 0.3341

### Deuteranopia

49.8151, 0.3121, 0.3059



## **Tritanopia**

50.5144, 0.2302, 0.3053

# Trichromacy



## Original Color

50.5978, 0.2395, 0.3493



## Protanomaly

48.1912, 0.2806, 0.3386



## Deuteranomaly

48.2124, 0.2753, 0.3195



## Tritanomaly

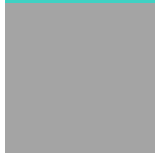
50.2738, 0.2334, 0.3203

# Monochromacy



## Original Color

50.5978, 0.2395, 0.3493



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

40.2497, 0.2742, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5978, 0.2395, 0.3493 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(63, 209, 195)` looks like.

```
.text, #text, p{  
    color:rgb(63, 209, 195)  
}
```

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(63, 209, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 209, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5978, 0.2395, 0.3493 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(63, 209, 195) }
```

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

```
.border{ border-color:rgb(63, 209, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 209, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 209, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 209, 195);  
box-shadow:4px 4px 4px 4px rgb(63, 209,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5978, 0.2395, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 209, 195) }
```

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

```
.background{ background-color: rgb(63, 209,  
195) }
```

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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