

# Converting Colors

$Yxy(58.5115, 0.2451, 0.3462)$

Have a look what the booklet for  
Yxy(58.5115, 0.2451, 0.3462)  
contains.

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# Color

**Yxy(58.3417, 0.2451, 0.3465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DDD0
RGB	88, 221, 208
RGB Percent	35%, 87%, 82%
CMY	0.6548, 0.1333, 0.1843
CMYK	0.60, 0.00, 0.06, 0.13
HSL	174°, 66%, 61%
HSV	174°, 60%, 87%
XYZ	41.2685, 58.3417, 68.7641
YIQ	179.7510, -75.0950, -32.2390

# Conversions

## Conversions Part 2

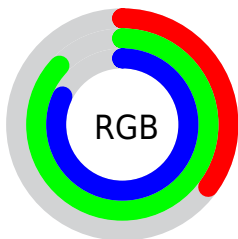
Format	Color
RYP	88, 158, 221
Decimal	5823952
CIELab	80.93, -39.18, -4.47
CIElCh	81, 39.435, 186.515
Yxy	58.3417, 0.2451, 0.3465
Android (android.graphics.Color)	4284014032 (0xFF58DDD0)
YUV	179.7510, 13.9268, -80.4656
Hunter-Lab	76.3817, -37.2257, 0.0903

# Details

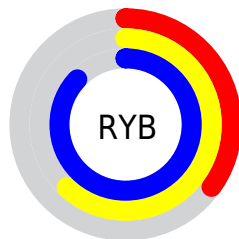
The Yxy color **58.3417, 0.2451, 0.3465** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.2971, 0.4826, 0.3153**, and the grayscale version is **45.4612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **29.2434, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **57.3180, 0.2394, 0.3499**, and if you desaturate by 10%, it is **59.6982, 0.2527, 0.3432**.

# Distribution



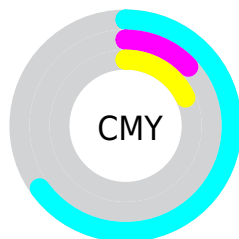
- Red (35%)
- Green (87%)
- Blue (82%)



- Red (35%)
- Yellow (62%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)




- Cyan (65%)
- Magenta (13%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3417, 0.2451, 0.3465 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 58.3417, 0.2451, 0.3465 by changing the saturation by 10% instead.




 58.3417, 0.2451,  
0.3465

 58.3417, 0.2451,  
0.3465


418.4580, 0.2771,  
0.3386

 42.0834, 0.2376,  
0.3482


 102.4203, 0.2563,  
0.3438


 29.1666, 0.2283,  
0.3503


 131.0094, 0.2607,  
0.3428

 19.2069, 0.2165,  
0.3529


 164.4775, 0.2644,  
0.3418

 11.8199, 0.2008,  
0.3560

 203.2091, 0.2676,  
0.3410

 6.6211, 0.1794,  
0.3600

247.5886, 0.2704,  
0.3403

 3.2263, 0.1485,  
0.3647

298.0003, 0.2729,

 1.2510, 0.0597,

0.3397

354.8286, 0.2752,  
0.3391

0.3862

0.1028, 0.0000,  
0.1948

0.0000, 0.0000,  
0.0000

58.3417, 0.2451,  
0.3465

58.3417, 0.2451,  
0.3465

57.3180, 0.2394,  
0.3499

59.6982, 0.2527,  
0.3432

56.5897, 0.2356,  
0.3532


61.4075, 0.2621,  
0.3400


56.1227, 0.2337,  
0.3566


63.4959, 0.2730,  
0.3370


55.8556, 0.2333,  
0.3598


65.9852, 0.2853,  
0.3341

 68.8958, 0.2985,  
0.3315

 72.2464, 0.3125,  
0.3290

 76.0549, 0.3269,  
0.3269

 78.4250, 0.3343,  
0.3248

 78.5438, 0.3328,  
0.3226

# Harmonies

## Analogous

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



58.3417, 0.2859, 0.3946



58.3417, 0.2451, 0.3465



58.3417, 0.2229, 0.2972

# Triad

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



58.3417, 0.2451, 0.3465



58.3417, 0.2833, 0.2530



58.3417, 0.4107, 0.3867

# Complementary

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



58.3417, 0.2451, 0.3465



23.2971, 0.4826, 0.3153

# 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.



58.3417, 0.4117, 0.3478



58.3417, 0.2451, 0.3465



58.3417, 0.3345, 0.2743

# Square

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



58.3417, 0.2451, 0.3465



58.3417, 0.2435, 0.2482



58.3417, 0.3830, 0.3079



58.3417, 0.3820, 0.4151



# Rectangle

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



58.3417, 0.2451, 0.3465



58.3417, 0.2202, 0.2720



58.3417, 0.3830, 0.3079



58.3417, 0.4144, 0.3744

# Sweetspot

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



58.3440, 0.2451, 0.3465



92.0244, 0.2879, 0.3336



55.2041, 0.3104, 0.5189



19.4608, 0.2841, 0.3344



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.



58.3440, 0.2451, 0.3465



78.9926, 0.2383, 0.3507



35.2332, 0.2220, 0.2519



14.8065, 0.2995, 0.3313



32.4565, 0.2332, 0.3593



2.1092, 0.2316, 0.3539



# Inverse Universe

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



23.2971, 0.4826, 0.3153



26.5445, 0.5388, 0.3155



35.1920, 0.4561, 0.3902



13.0721, 0.3276, 0.3267



8.9702, 0.6282, 0.3234

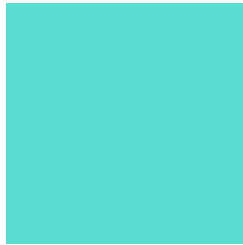


0.5884, 0.5982, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 58.3417, 0.2451, 0.3465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

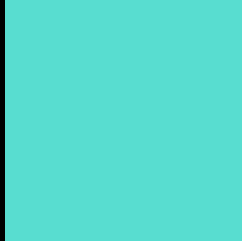
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3417, 0.2451, 0.3465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

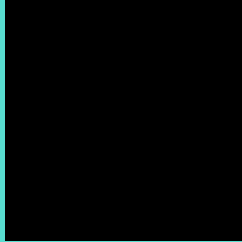
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

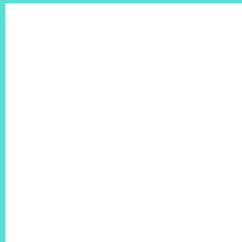
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.3417, 0.2451, 0.3465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3417, 0.2451, 0.3465.

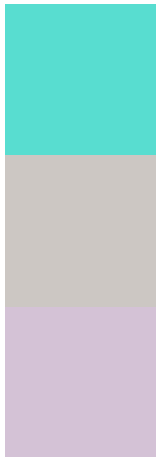


This preview shows how white text looks on a background with the Yxy color 58.3417, 0.2451, 0.3465.

# 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

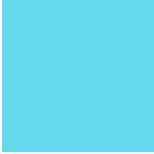
58.3417, 0.2451, 0.3465

### Protanopia

57.6243, 0.3196, 0.3338

### Deuteranopia

57.4357, 0.3122, 0.3061



## **Tritanopia**

58.2765, 0.2357, 0.3056

# Trichromacy



## Original Color

58.3417, 0.2451, 0.3465



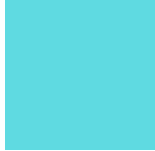
## Protanomaly

56.4772, 0.2850, 0.3379



## Deuteranomaly

56.1547, 0.2806, 0.3189



## Tritanomaly

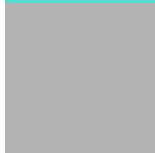
58.0119, 0.2390, 0.3196

# Monochromacy



## Original Color

58.3417, 0.2451, 0.3465



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.9510, 0.2801, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3417, 0.2451, 0.3465 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(88, 221, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 221, 208)  
}
```

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(88, 221, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 221, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3417, 0.2451, 0.3465 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(88, 221, 208) }
```

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

```
.border{ border-color:rgb(88, 221, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 221, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 221, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 221, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 221,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3417, 0.2451, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 221, 208) }
```

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

```
.background{ background-color: rgb(88, 221,  
208) }
```

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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