

# Converting Colors

$Y_{xy}(58.7055, 0.2528, 0.3430)$

Have a look what the booklet for  
Yxy(58.7055, 0.2528, 0.3430)  
contains.

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# Color

**Yxy(58.5815, 0.2527, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EDBD1
RGB	110, 219, 209
RGB Percent	43%, 86%, 82%
CMY	0.5691, 0.1411, 0.1804
CMYK	0.50, 0.00, 0.05, 0.14
HSL	174°, 60%, 64%
HSV	174°, 50%, 86%
XYZ	43.2599, 58.5815, 69.3494
YIQ	185.2690, -61.7540, -26.2180

# Conversions

## Conversions Part 2

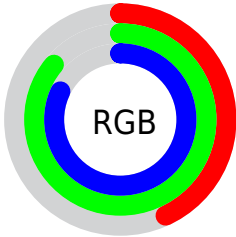
Format	Color
<a href="#">RYB</a>	<a href="#">110, 167, 219</a>
Decimal	<a href="#">7265233</a>
CIELab	<a href="#">81.06, -33.76, -4.73</a>
CIELCh	<a href="#">81, 34.088, 187.978</a>
Yxy	<a href="#">58.5815, 0.2527, 0.3422</a>
Android (android.graphics.Color)	<a href="#">4285455313</a> ( <a href="#">0xFF6EDBD1</a> )
YUV	<a href="#">185.2690, 11.6994, -66.0109</a>
Hunter-Lab	<a href="#">76.5386, -33.0535, -0.1440</a>

# Details

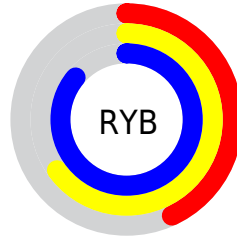
The Yxy color **58.5815, 0.2527, 0.3422** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5444, 0.4399, 0.3175**, and the grayscale version is **48.6188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **29.4983, 0.2378, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **57.2510, 0.2450, 0.3453**, and if you desaturate by 10%, it is **60.2648, 0.2622, 0.3392**.

# Distribution



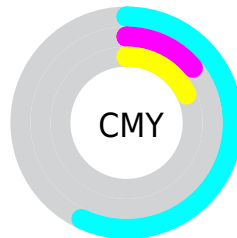
- Red (43%)
- Green (86%)
- Blue (82%)



- Red (43%)
- Yellow (65%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)




- Cyan (57%)
- Magenta (14%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5815, 0.2527, 0.3422 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 58.5815, 0.2527, 0.3422 by changing the saturation by 10% instead.





 58.5815, 0.2527,  
0.3422

 58.5815, 0.2527,  
0.3422


419.3493, 0.2812,  
0.3363


 42.2763, 0.2460,  
0.3435

 102.7692, 0.2627,  
0.3402

 29.3177, 0.2378,  
0.3450


 131.4205, 0.2666,  
0.3394

 19.3213, 0.2271,  
0.3469


 164.9559, 0.2699,  
0.3387

 11.9027, 0.2131,  
0.3492

203.7599, 0.2727,  
0.3381

 6.6774, 0.1938,  
0.3520

248.2168, 0.2752,  
0.3376

 3.2612, 0.1656,  
0.3552

298.7111, 0.2774,

 1.2696, 0.0983,

0.3371

0.3673

355.6271, 0.2794,  
0.3367

■ 0.1175, 0.0000,  
0.2039

■ 0.0000, 0.0000,  
0.0000

■ 58.5815, 0.2527,  
0.3422

■ 58.5815, 0.2527,  
0.3422

■ 57.2510, 0.2450,  
0.3453

■ 60.2648, 0.2622,  
0.3392

■ 56.2405, 0.2392,  
0.3484


■ 62.3175, 0.2732,  
0.3364


■ 55.5224, 0.2353,  
0.3516


■ 64.7632, 0.2856,  
0.3337

■ 55.0614, 0.2333,  
0.3547


■ 67.6217, 0.2989,  
0.3312

 54.7961, 0.2328,  
0.3578


 70.9114, 0.3130,  
0.3290

 54.7920, 0.2327,  
0.3579

 74.6497, 0.3275,  
0.3269

 77.2640, 0.3361,  
0.3250

 77.3732, 0.3347,  
0.3230

 77.4836, 0.3333,  
0.3210

# Harmonies

## Analogous

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



58.5815, 0.2878, 0.3833



58.5815, 0.2527, 0.3422



58.5815, 0.2338, 0.3002

# Triad

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



58.5815, 0.2527, 0.3422



58.5815, 0.2895, 0.2630



58.5815, 0.3968, 0.3815

# Complementary

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



58.5815, 0.2527, 0.3422



27.5444, 0.4399, 0.3175

# 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.



58.5815, 0.3986, 0.3479



58.5815, 0.2527, 0.3422



58.5815, 0.3340, 0.2825

# Square

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



58.5815, 0.2527, 0.3422



58.5815, 0.2538, 0.2582



58.5815, 0.3750, 0.3126



58.5815, 0.3715, 0.4045



# Rectangle

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



58.5815, 0.2527, 0.3422



58.5815, 0.2320, 0.2787



58.5815, 0.3750, 0.3126



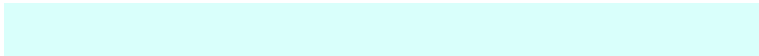
58.5815, 0.4003, 0.3710

# Sweetspot

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



58.5838, 0.2527, 0.3422



93.2294, 0.2917, 0.3325



55.8464, 0.3118, 0.4837



19.7751, 0.2889, 0.3330



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.



58.5838, 0.2527, 0.3422



80.6931, 0.2445, 0.3455



39.2259, 0.2360, 0.2676



14.8079, 0.2994, 0.3311



32.4917, 0.2326, 0.3574



2.1111, 0.2312, 0.3523



# Inverse Universe

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



27.5444, 0.4399, 0.3175



32.0247, 0.4852, 0.3161



39.1459, 0.4239, 0.3814



13.0708, 0.3277, 0.3269



8.9671, 0.6291, 0.3239

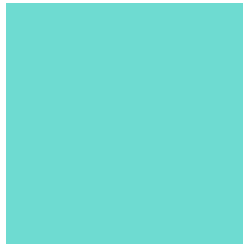


0.5878, 0.6005, 0.3082



# Previews

## White Background



This preview shows how the Yxy color 58.5815, 0.2527, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

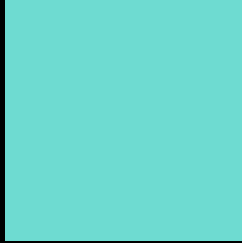
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5815, 0.2527, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

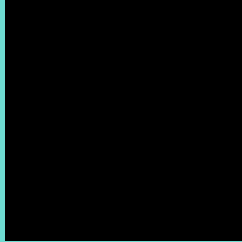
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

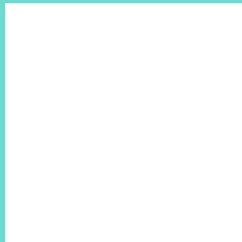
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.5815, 0.2527, 0.3422**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5815, 0.2527, 0.3422.

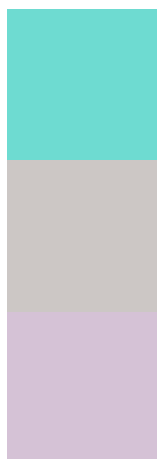


This preview shows how white text looks on a background with the Yxy color 58.5815, 0.2527, 0.3422.

# 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

58.5815, 0.2527, 0.3422

### Protanopia

57.7154, 0.3181, 0.3314

### Deuteranopia

57.5847, 0.3130, 0.3062



## Tritanopia

58.3356, 0.2437, 0.3059

# Trichromacy



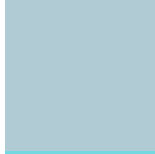
## Original Color

58.5815, 0.2527, 0.3422



## Protanomaly

56.9057, 0.2898, 0.3352



## Deuteranomaly

56.6954, 0.2867, 0.3178



## Tritanomaly

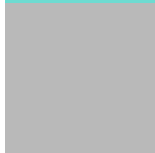
58.1384, 0.2469, 0.3184

# Monochromacy



## Original Color

58.5815, 0.2527, 0.3422



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.0966, 0.2854, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5815, 0.2527, 0.3422 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(110, 219, 209)` looks like.

```
.text, #text, p{  
    color:rgb(110, 219, 209)  
}
```

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(110, 219, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 219, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5815, 0.2527, 0.3422 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(110, 219, 209) }
```

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

```
.border{ border-color:rgb(110, 219, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 219, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 219, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 219, 209);  
box-shadow:4px 4px 4px 4px rgb(110, 219,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5815, 0.2527, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 219, 209) }
```

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

```
.background{ background-color: rgb(110,  
219, 209) }
```

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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