

# Converting Colors

$Y_{xy}(54.9743, 0.2576, 0.3308)$

Have a look what the booklet for  
Yxy(54.9743, 0.2576, 0.3308)  
contains.

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# Color

**Yxy(54.9817, 0.2574, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CD2D1
RGB	124, 210, 209
RGB Percent	49%, 82%, 82%
CMY	0.5140, 0.1764, 0.1804
CMYK	0.41, 0.00, 0.00, 0.18
HSL	179°, 49%, 65%
HSV	179°, 41%, 82%
XYZ	42.8598, 54.9817, 68.6688
YIQ	184.1720, -50.9350, -18.5430

# Conversions

## Conversions Part 2

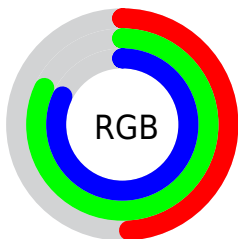
Format	Color
<a href="#">RYB</a>	<a href="#">124, 167, 210</a>
Decimal	<a href="#">8180433</a>
CIELab	<a href="#">79.03, -26.20, -7.67</a>
CIELCh	<a href="#">79, 27.295, 196.313</a>
Yxy	<a href="#">54.9817, 0.2574, 0.3302</a>
Android (android.graphics.Color)	<a href="#">4286370513</a> ( <a href="#">0xFF7CD2D1</a> )
YUV	<a href="#">184.1720, 12.2402, -52.7708</a>
Hunter-Lab	<a href="#">74.1496, -26.5859, -3.0028</a>

# Details

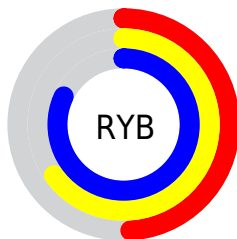
The Yxy color **54.9817, 0.2574, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5841, 0.4156, 0.3280**, and the grayscale version is **47.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **27.0025, 0.2430, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **53.5708, 0.2475, 0.3306**, and if you desaturate by 10%, it is **56.7301, 0.2690, 0.3299**.

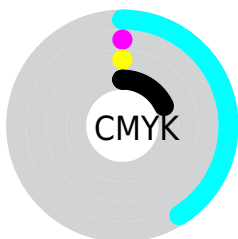
# Distribution



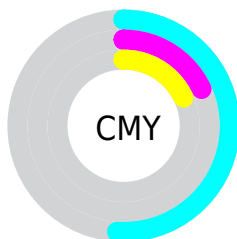
- Red (49%)
- Green (82%)
- Blue (82%)



- Red (49%)
- Yellow (65%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (51%)
- Magenta (18%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9817, 0.2574, 0.3302 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 54.9817, 0.2574, 0.3302 by changing the saturation by 10% instead.





 54.9817, 0.2574,  
0.3302

 54.9817, 0.2574,  
0.3302


405.8426, 0.2839,  
0.3301

 39.3871, 0.2511,  
0.3301


 97.5141, 0.2668,  
0.3303

 27.0610, 0.2433,  
0.3298


 125.2207, 0.2703,  
0.3303

 17.6190, 0.2332,  
0.3294


 157.7335, 0.2734,  
0.3303

 10.6768, 0.2198,  
0.3285

195.4367, 0.2761,  
0.3303

 5.8500, 0.2011,  
0.3268

238.7148, 0.2784,  
0.3302

 2.7541, 0.1734,  
0.3231

287.9522, 0.2804,

 1.0047, 0.1002,

0.3302

0.3239

343.5334, 0.2822,  
0.3302

0.0000, 0.0000,  
0.0000

54.9817, 0.2574,  
0.3302

54.9817, 0.2574,  
0.3302

53.5708, 0.2475,  
0.3306

56.7301, 0.2690,  
0.3299

52.4695, 0.2395,  
0.3309

58.8289, 0.2820,  
0.3296

51.6563, 0.2334,  
0.3313


61.2982, 0.2962,  
0.3293


51.1037, 0.2291,  
0.3317


64.1549, 0.3112,  
0.3290


50.7794, 0.2267,  
0.3320


67.4147, 0.3268,  
0.3288

 50.6305, 0.2257,  
0.3324

 71.0924, 0.3427,  
0.3286

 72.0501, 0.3464,  
0.3284

 72.0626, 0.3462,  
0.3281

 72.0751, 0.3461,  
0.3279

# Harmonies

## Analogous

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



54.9817, 0.2835, 0.3646



54.9817, 0.2574, 0.3302



54.9817, 0.2458, 0.2979

# Triad

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



54.9817, 0.2574, 0.3302



54.9817, 0.3037, 0.2775



54.9817, 0.3777, 0.3792

# Complementary

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



54.9817, 0.2574, 0.3302



29.5841, 0.4156, 0.3280

# 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.



54.9817, 0.3846, 0.3535



54.9817, 0.2574, 0.3302



54.9817, 0.3404, 0.2967

# Square

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



54.9817, 0.2574, 0.3302



54.9817, 0.2713, 0.2700



54.9817, 0.3707, 0.3239



54.9817, 0.3531, 0.3931



# Rectangle

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



54.9817, 0.2574, 0.3302



54.9817, 0.2473, 0.2822



54.9817, 0.3707, 0.3239



54.9817, 0.3823, 0.3715

# Sweetspot

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



54.9839, 0.2574, 0.3302



94.6279, 0.2945, 0.3293



51.9422, 0.3078, 0.4542



20.1406, 0.2926, 0.3293



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.



54.9839, 0.2574, 0.3302



83.3946, 0.2488, 0.3305



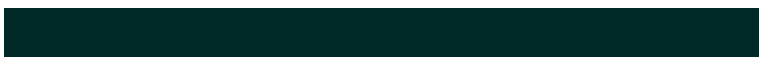
37.0923, 0.2475, 0.2698



13.4046, 0.2985, 0.3292



30.8804, 0.2256, 0.3323



1.7274, 0.2255, 0.3316



# Inverse Universe

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



29.5841, 0.4156, 0.3280



38.8918, 0.4499, 0.3279



42.2641, 0.3946, 0.3810



11.8105, 0.3289, 0.3288



8.3622, 0.6387, 0.3292



0.4684, 0.6340, 0.3266



# Previews

## White Background



This preview shows how the Yxy color 54.9817, 0.2574, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

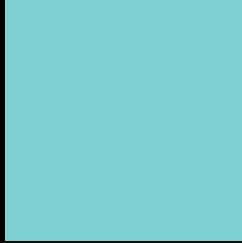
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9817, 0.2574, 0.3302 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

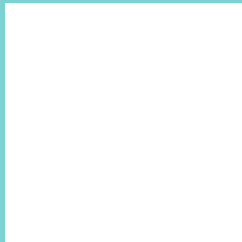
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9817, 0.2574, 0.3302**

## Background



This preview shows how black text looks on a background with the Yxy color 54.9817, 0.2574, 0.3302.

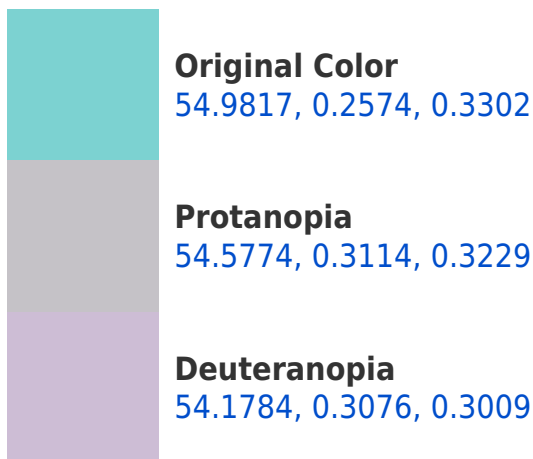


This preview shows how white text looks on a background with the Yxy color 54.9817, 0.2574, 0.3302.

# 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

55.0828, 0.2512, 0.3081

# Trichromacy



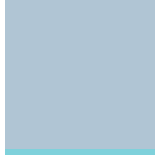
## Original Color

54.9817, 0.2574, 0.3302



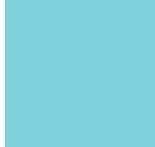
## Protanomaly

54.1664, 0.2882, 0.3251



## Deuteranomaly

53.9161, 0.2864, 0.3103



## Tritanomaly

55.2274, 0.2535, 0.3158

# Monochromacy



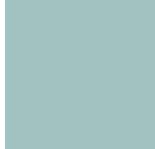
## Original Color

54.9817, 0.2574, 0.3302



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

49.6716, 0.2887, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9817, 0.2574, 0.3302 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(124, 210, 209)` looks like.

```
.text, #text, p{  
    color:rgb(124, 210, 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(124, 210, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 210, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9817, 0.2574, 0.3302 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(124, 210, 209) }
```

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

```
.border{ border-color:rgb(124, 210, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 210, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 210, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 210, 209);  
box-shadow:4px 4px 4px 4px rgb(124, 210,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9817, 0.2574, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 210, 209) }
```

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

```
.background{ background-color: rgb(124,  
210, 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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