

# Converting Colors

$Y_{xy}(54.0052, 0.2577, 0.3273)$

Have a look what the booklet for  
Yxy(54.0052, 0.2577, 0.3273)  
contains.

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# Color

**Yxy(54.0752, 0.2575, 0.3275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD0D1
RGB	125, 208, 209
RGB Percent	49%, 82%, 82%
CMY	0.5100, 0.1843, 0.1804
CMYK	0.40, 0.00, 0.00, 0.18
HSL	181°, 48%, 65%
HSV	181°, 40%, 82%
XYZ	42.5171, 54.0752, 68.5228
YIQ	183.2970, -49.7890, -17.2850

# Conversions

## Conversions Part 2

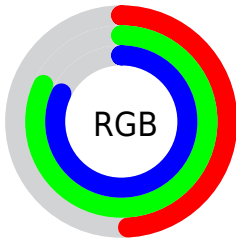
Format	Color
R <sub>YB</sub>	125, 167, 209
Decimal	8245457
CIE Lab	78.51, -24.96, -8.45
CIE LCh	79, 26.349, 198.706
Yxy	54.0752, 0.2575, 0.3275
Android (android.graphics.Color)	4286435537 (0xFF7DD0D1)
YUV	183.2970, 12.6716, -51.1265
Hunter-Lab	73.5358, -25.4821, -3.7730

# Details

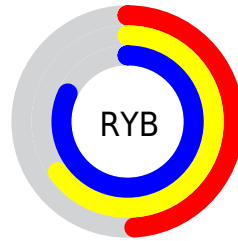
The Yxy color **54.0752, 0.2575, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.9450, 0.4134, 0.3306**, and the grayscale version is **47.4704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **26.4142, 0.2432, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **52.5462, 0.2473, 0.3271**, and if you desaturate by 10%, it is **55.9395, 0.2694, 0.3279**.

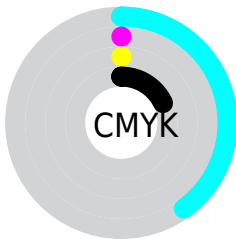
# Distribution



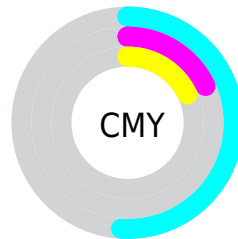
- Red (49%)
- Green (82%)
- Blue (82%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0752, 0.2575, 0.3275 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 54.0752, 0.2575, 0.3275 by changing the saturation by 10% instead.





 54.0752, 0.2575,  
0.3275


 54.0752, 0.2575,  
0.3275


402.3967, 0.2840,  
0.3288

 38.6618, 0.2512,  
0.3270


 96.1847, 0.2669,  
0.3281

 26.4967, 0.2434,  
0.3264


 123.6495, 0.2705,  
0.3282

 17.1956, 0.2332,  
0.3254


 155.9002, 0.2735,  
0.3284

 10.3741, 0.2197,  
0.3238

193.3213, 0.2762,  
0.3285

 5.6477, 0.2008,  
0.3210

236.2971, 0.2785,  
0.3286

 2.6320, 0.1728,  
0.3155

285.2120, 0.2805,

 0.9428, 0.0952,

0.3287

0.3140

340.4504, 0.2824,  
0.3287

0.0000, 0.0000,  
0.0000

54.0752, 0.2575,  
0.3275

54.0752, 0.2575,  
0.3275

52.5462, 0.2473,  
0.3271

55.9395, 0.2694,  
0.3279

51.3252, 0.2389,  
0.3267

58.1520, 0.2827,  
0.3283

50.3911, 0.2324,  
0.3263

60.7323, 0.2971,  
0.3287

49.7172, 0.2278,  
0.3259

63.6969, 0.3124,  
0.3290

49.2719, 0.2250,  
0.3255

67.0614, 0.3282,  
0.3293

■ 49.0011, 0.2237,  
0.3251

■ 70.8403, 0.3442,  
0.3296

■ 71.8323, 0.3478,  
0.3299

■ 71.9547, 0.3477,  
0.3301

■ 72.0773, 0.3477,  
0.3304

# Harmonies

## Analogous

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



54.0752, 0.2819, 0.3611



54.0752, 0.2575, 0.3275



54.0752, 0.2475, 0.2968

# Triad

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



54.0752, 0.2575, 0.3275



54.0752, 0.3068, 0.2800



54.0752, 0.3745, 0.3794

# Complementary

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



54.0752, 0.2575, 0.3275



29.9450, 0.4134, 0.3306

# 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.



54.0752, 0.3827, 0.3552



54.0752, 0.2575, 0.3275



54.0752, 0.3424, 0.2995

# Square

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



54.0752, 0.2575, 0.3275



54.0752, 0.2746, 0.2717



54.0752, 0.3708, 0.3264



54.0752, 0.3495, 0.3916



# Rectangle

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



54.0752, 0.2575, 0.3275



54.0752, 0.2497, 0.2822



54.0752, 0.3708, 0.3264



54.0752, 0.3794, 0.3723

# Sweetspot

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



54.0773, 0.2575, 0.3275



94.4198, 0.2943, 0.3286



51.4409, 0.3070, 0.4518



20.0913, 0.2923, 0.3285



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.



54.0773, 0.2575, 0.3275



82.7707, 0.2489, 0.3272



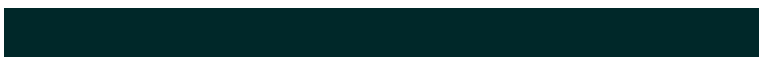
36.5906, 0.2484, 0.2691



13.3820, 0.2983, 0.3287



30.2210, 0.2237, 0.3252



1.6977, 0.2239, 0.3259



# Inverse Universe

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



32.7664, 0.3183, 0.2317



45.0525, 0.3194, 0.2135



42.6663, 0.3919, 0.3817



12.0065, 0.3140, 0.3064



11.1221, 0.3239, 0.1558

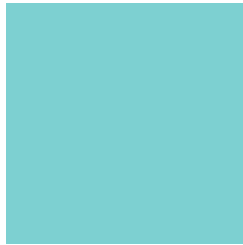


0.6227, 0.3233, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 54.0752, 0.2575, 0.3275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

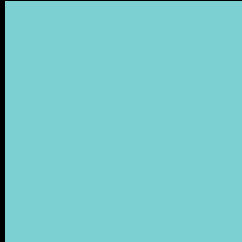
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0752, 0.2575, 0.3275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

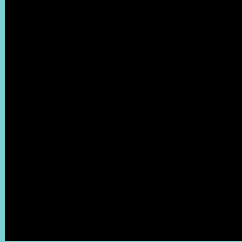
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

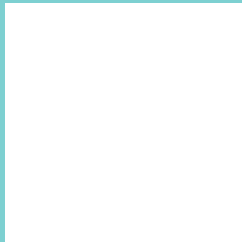
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0752, 0.2575, 0.3275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0752, 0.2575, 0.3275.

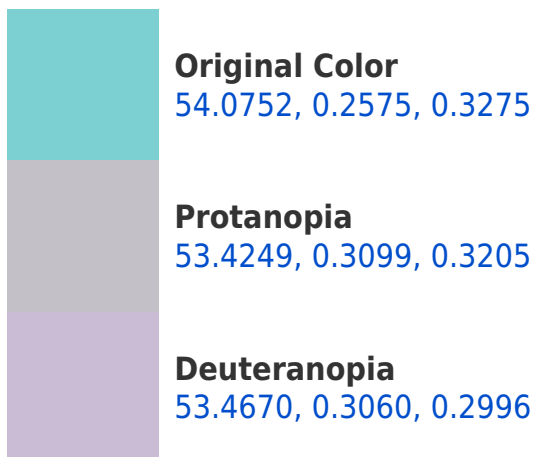


This preview shows how white text looks on a background with the Yxy color 54.0752, 0.2575, 0.3275.

# 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

54.1375, 0.2518, 0.3067

# Trichromacy



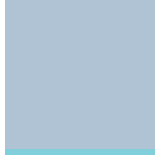
## Original Color

54.0752, 0.2575, 0.3275



## Protanomaly

53.2460, 0.2881, 0.3226



## Deuteranomaly

52.8976, 0.2855, 0.3077



## Tritanomaly

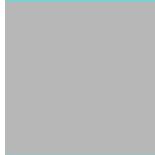
54.2768, 0.2541, 0.3144

# Monochromacy



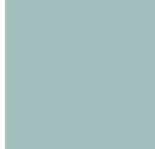
## Original Color

54.0752, 0.2575, 0.3275



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

49.1864, 0.2893, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0752, 0.2575, 0.3275 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(125, 208, 209)` looks like.

```
.text, #text, p{  
    color:rgb(125, 208, 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(125, 208, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 208, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0752, 0.2575, 0.3275 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(125, 208, 209) }
```

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

```
.border{ border-color:rgb(125, 208, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 208, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 208, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 208, 209);  
box-shadow:4px 4px 4px 4px rgb(125, 208,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0752, 0.2575, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 208, 209) }
```

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

```
.background{ background-color: rgb(125,  
208, 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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