

# Converting Colors

$Y_{xy}(54.8843, 0.2586, 0.3288)$

Have a look what the booklet for  
Yxy(54.8843, 0.2586, 0.3288)  
contains.

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# Color

**Yxy(54.7164, 0.2588, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD1D1
RGB	127, 209, 209
RGB Percent	50%, 82%, 82%
CMY	0.5018, 0.1804, 0.1803
CMYK	0.39, 0.00, 0.00, 0.18
HSL	180°, 47%, 66%
HSV	180°, 39%, 82%
XYZ	43.0675, 54.7164, 68.6285
YIQ	184.4820, -48.8720, -17.3840

# Conversions

## Conversions Part 2

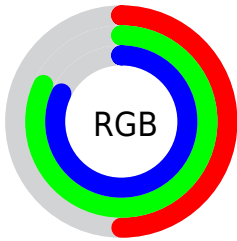
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 168, 209
Decimal	8376785
CIELab	78.88, -24.92, -7.90
CIELCh	79, 26.139, 197.585
Yxy	54.7164, 0.2588, 0.3288
Android (android.graphics.Color)	4286566865 (0xFF7FD1D1)
YUV	184.4820, 12.0874, -50.4117
Hunter-Lab	73.9705, -25.5212, -3.2288

# Details

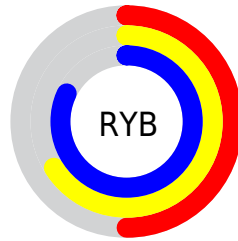
The Yxy color **54.7164, 0.2588, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2881, 0.4103, 0.3293**, and the grayscale version is **48.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **26.8174, 0.2447, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **53.2724, 0.2485, 0.3288**, and if you desaturate by 10%, it is **56.4976, 0.2707, 0.3288**.

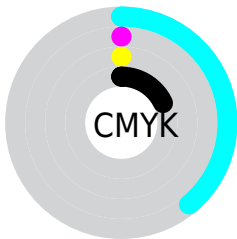
# Distribution



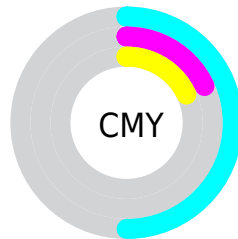
- Red (50%)
- Green (82%)
- Blue (82%)



- Red (50%)
- Yellow (66%)
- Blue (82%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (50%)
- Magenta (18%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7164, 0.2588, 0.3288 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 54.7164, 0.2588, 0.3288 by changing the saturation by 10% instead.




 54.7164, 0.2588,  
0.3288


 54.7164, 0.2588,  
0.3288


404.8360, 0.2846,  
0.3294


 39.1747, 0.2527,  
0.3285


 97.1253, 0.2679,  
0.3291

 26.8957, 0.2450,  
0.3281


 124.7613, 0.2714,  
0.3292

 17.4949, 0.2352,  
0.3274


 157.1976, 0.2744,  
0.3293

 10.5880, 0.2220,  
0.3262

194.8184, 0.2770,  
0.3293

 5.7905, 0.2037,  
0.3241

238.0083, 0.2793,  
0.3294

 2.7181, 0.1764,  
0.3196

287.1516, 0.2813,

 0.9864, 0.1053,

0.3294

0.3187

342.6327, 0.2830,  
0.3294

0.0000, 0.0000,  
0.0000

54.7164, 0.2588,  
0.3288

54.7164, 0.2588,  
0.3288

53.2724, 0.2485,  
0.3288

56.4976, 0.2707,  
0.3288

52.1385, 0.2401,  
0.3287

58.6286, 0.2841,  
0.3289

51.2938, 0.2335,  
0.3287


61.1289, 0.2986,  
0.3290

50.7119, 0.2289,  
0.3287


64.0151, 0.3139,  
0.3290


50.3620, 0.2261,  
0.3286


67.3025, 0.3298,  
0.3291

 50.1922, 0.2247,  
0.3286

 71.0056, 0.3459,  
0.3291

 50.1815, 0.2246,  
0.3286

 71.4893, 0.3479,  
0.3291

 71.4929, 0.3479,  
0.3291

 71.4966, 0.3479,  
0.3291

# Harmonies

## Analogous

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



54.7164, 0.2834, 0.3618



54.7164, 0.2588, 0.3288



54.7164, 0.2483, 0.2981

# Triad

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



54.7164, 0.2588, 0.3288



54.7164, 0.3056, 0.2800



54.7164, 0.3744, 0.3781

# Complementary

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



54.7164, 0.2588, 0.3288



30.2881, 0.4103, 0.3293

# 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.



54.7164, 0.3817, 0.3539



54.7164, 0.2588, 0.3288



54.7164, 0.3408, 0.2990

# Square

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



54.7164, 0.2588, 0.3288



54.7164, 0.2741, 0.2723



54.7164, 0.3693, 0.3253



54.7164, 0.3502, 0.3907



# Rectangle

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



54.7164, 0.2588, 0.3288



54.7164, 0.2501, 0.2834



54.7164, 0.3693, 0.3253



54.7164, 0.3790, 0.3710

# Sweetspot

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



54.7186, 0.2588, 0.3288



94.6443, 0.2943, 0.3289



51.6615, 0.3071, 0.4482



20.1445, 0.2923, 0.3289



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.



54.7186, 0.2588, 0.3288



83.8761, 0.2501, 0.3288



37.1363, 0.2500, 0.2708



13.4064, 0.2983, 0.3290



30.9323, 0.2246, 0.3286



1.7298, 0.2246, 0.3287



# Inverse Universe

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



33.3505, 0.3172, 0.2330



45.8471, 0.3181, 0.2146



43.1090, 0.3895, 0.3804



12.0090, 0.3138, 0.3061



11.1939, 0.3210, 0.1542

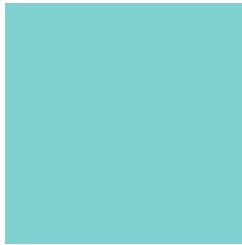


0.6259, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 54.7164, 0.2588, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

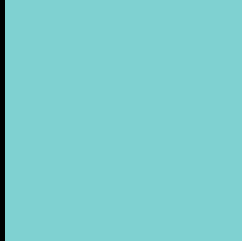
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7164, 0.2588, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

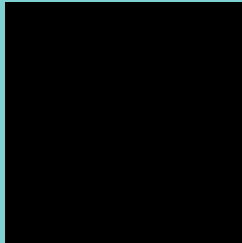
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.7164, 0.2588, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7164, 0.2588, 0.3288.

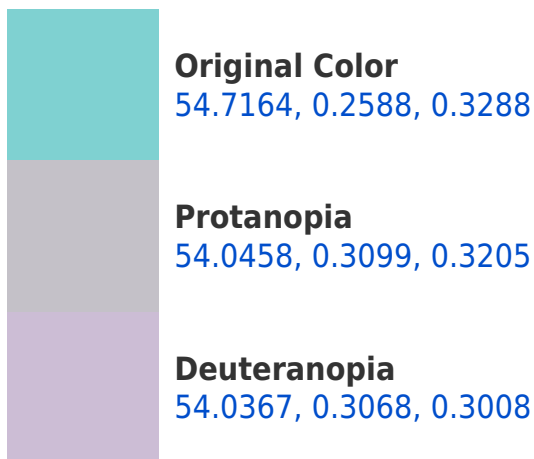


This preview shows how white text looks on a background with the Yxy color 54.7164, 0.2588, 0.3288.

# 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

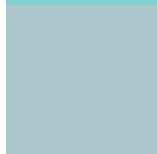
54.7787, 0.2531, 0.3081

# Trichromacy



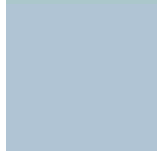
## Original Color

54.7164, 0.2588, 0.3288



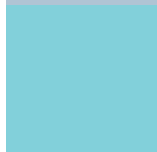
## Protanomaly

53.8166, 0.2888, 0.3239



## Deuteranomaly

53.4634, 0.2863, 0.3091



## Tritanomaly

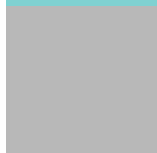
54.9195, 0.2554, 0.3158

# Monochromacy



## Original Color

54.7164, 0.2588, 0.3288



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

49.7767, 0.2894, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7164, 0.2588, 0.3288 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(127, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(127, 209, 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(127, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 209, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7164, 0.2588, 0.3288 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(127, 209, 209) }
```

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

```
.border{ border-color:rgb(127, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(127, 209,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7164, 0.2588, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 209, 209) }
```

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

```
.background{ background-color: rgb(127,  
209, 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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