

# Converting Colors

$Y_{xy}(52.3175, 0.2659, 0.3540)$

Have a look what the booklet for  
Yxy(52.3175, 0.2659, 0.3540)  
contains.

|   |    |
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# Color

**Yxy(52.2928, 0.2657, 0.3540)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 78CFBD                       |
| RGB         | 120, 207, 189                |
| RGB Percent | 47%, 81%, 74%                |
| CMY         | 0.5292, 0.1882, 0.2588       |
| CMYK        | 0.42, 0.00, 0.09, 0.19       |
| HSL         | 168°, 48%, 64%               |
| HSV         | 168°, 42%, 81%               |
| XYZ         | 39.2491, 52.2928, 56.1778    |
| YIQ         | 178.9350, -46.0740, -24.0420 |

# Conversions

## Conversions Part 2

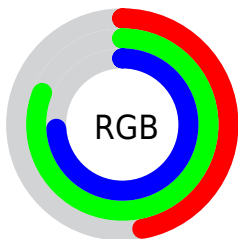
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">120, 169, 207</a>                                |
| Decimal                             | <a href="#">7917501</a>                                      |
| CIELab                              | <a href="#">77.46, -30.49, 0.72</a>                          |
| CIELCh                              | <a href="#">77, 30.499, 178.647</a>                          |
| Yxy                                 | <a href="#">52.2928, 0.2657, 0.3540</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4286107581</a><br>( <a href="#">0xFF78CFBD</a> ) |
| YUV                                 | <a href="#">178.9350, 4.9620, -51.6860</a>                   |
| Hunter-Lab                          | <a href="#">72.3138, -29.6661, 4.5595</a>                    |

# Details

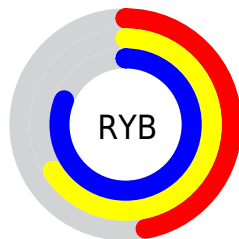
The Yxy color **52.2928, 0.2657, 0.3540** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.5434, 0.3975, 0.3063**, and the grayscale version is **45.0406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3427, 0.2729, 0.3398**, and **25.3240, 0.2528, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **50.7876, 0.2575, 0.3611**, and if you desaturate by 10%, it is **54.1276, 0.2753, 0.3473**.

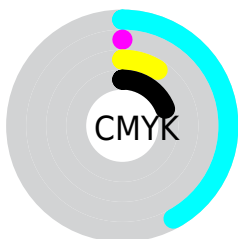
# Distribution



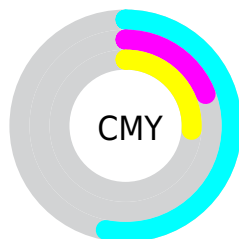
- Red (47%)
- Green (81%)
- Blue (74%)



- Red (47%)
- Yellow (66%)
- Blue (81%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (19%)




- Cyan (53%)
- Magenta (19%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2928, 0.2657, 0.3540 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 52.2928, 0.2657, 0.3540 by changing the saturation by 10% instead.




 52.2928, 0.2657,  
0.3540

 52.2928, 0.2657,  
0.3540


395.5659, 0.2887,  
0.3417

 37.2385, 0.2601,  
0.3570


 93.5629, 0.2739,  
0.3496

 25.3922, 0.2531,  
0.3608


 120.5475, 0.2771,  
0.3479

 16.3695, 0.2438,  
0.3657


 152.2777, 0.2797,  
0.3465

 9.7860, 0.2313,  
0.3725

189.1379, 0.2820,  
0.3453

 5.2573, 0.2133,  
0.3823

231.5124, 0.2840,  
0.3442

 2.3990, 0.1853,  
0.3977

279.7856, 0.2857,

 0.8254, 0.0234,

0.3433

0.4816

334.3420, 0.2873,  
0.3425

0.0000, 0.0000,  
0.0000

52.2928, 0.2657,  
0.3540

52.2928, 0.2657,  
0.3540

50.7876, 0.2575,  
0.3611

54.1276, 0.2753,  
0.3473

49.5849, 0.2511,  
0.3684

56.3047, 0.2862,  
0.3410

48.6634, 0.2465,  
0.3759


58.8437, 0.2979,  
0.3353

47.9964, 0.2439,  
0.3835

61.7610, 0.3102,  
0.3300


47.5519, 0.2432,  
0.3911


65.0718, 0.3229,  
0.3252

 47.3114, 0.2436,  
0.3970

 68.7907, 0.3357,  
0.3210

 70.9973, 0.3408,  
0.3169

 71.2256, 0.3376,  
0.3126

 71.4598, 0.3344,  
0.3084

# Harmonies

## Analogous

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



52.2928, 0.3020, 0.3883



52.2928, 0.2657, 0.3540



52.2928, 0.2427, 0.3138

# Triad

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



52.2928, 0.2657, 0.3540



52.2928, 0.2795, 0.2642



52.2928, 0.3940, 0.3692

# Complementary

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



52.2928, 0.2657, 0.3540



28.5434, 0.3975, 0.3063

# 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.



52.2928, 0.3880, 0.3366



52.2928, 0.2657, 0.3540



52.2928, 0.3195, 0.2785

# Square

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



52.2928, 0.2657, 0.3540



52.2928, 0.2503, 0.2648



52.2928, 0.3600, 0.3043



52.2928, 0.3768, 0.3943



# Rectangle

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



52.2928, 0.2657, 0.3540



52.2928, 0.2371, 0.2910



52.2928, 0.3600, 0.3043



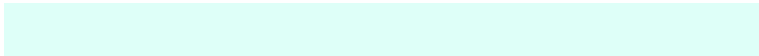
52.2928, 0.3947, 0.3587

# Sweetspot

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



52.2949, 0.2657, 0.3540



93.8123, 0.2965, 0.3359



51.4599, 0.3198, 0.4530



19.8774, 0.2938, 0.3372



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

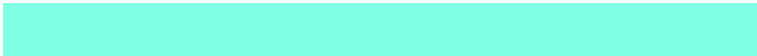


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2949, 0.2657, 0.3540



81.7074, 0.2586, 0.3601



42.1041, 0.2501, 0.2940



13.3635, 0.3010, 0.3338



29.8235, 0.2433, 0.3960



1.6784, 0.2395, 0.3822



# Inverse Universe

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



28.5434, 0.3975, 0.3063



38.8967, 0.4250, 0.3021



34.7747, 0.4066, 0.3607



11.8477, 0.3258, 0.3242



8.4780, 0.6042, 0.3102

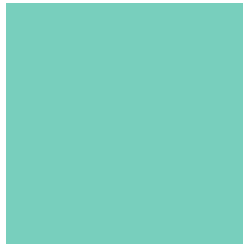


0.4858, 0.5525, 0.2817



# Previews

## White Background



This preview shows how the Yxy color 52.2928, 0.2657, 0.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

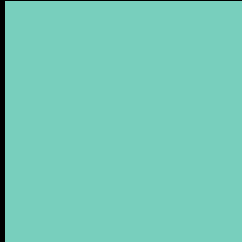
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2928, 0.2657, 0.3540 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

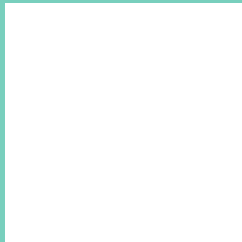
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2928, 0.2657, 0.3540**

## Background



This preview shows how black text looks on a background with the Yxy color 52.2928, 0.2657, 0.3540.

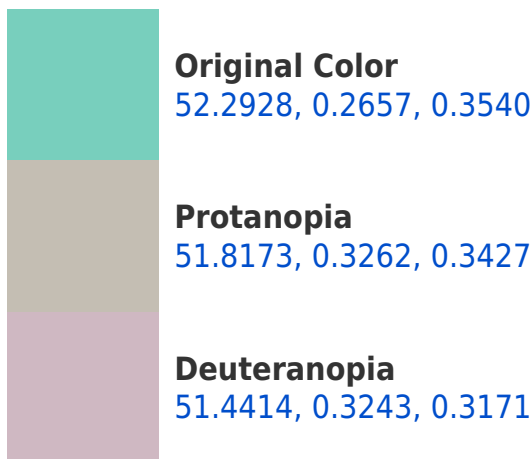


This preview shows how white text looks on a background with the Yxy color 52.2928, 0.2657, 0.3540.

# 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

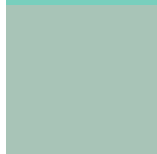
52.4155, 0.2527, 0.3077

# Trichromacy



## Original Color

52.2928, 0.2657, 0.3540



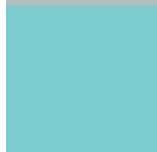
## Protanomaly

51.2236, 0.3002, 0.3461



## Deuteranomaly

50.6190, 0.2992, 0.3290



## Tritanomaly

52.0998, 0.2572, 0.3234

# Monochromacy



## Original Color

52.2928, 0.2657, 0.3540



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

47.0832, 0.2925, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.2928, 0.2657, 0.3540 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(120, 207, 189)` looks like.

```
.text, #text, p{  
    color:rgb(120, 207, 189)  
}
```

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(120, 207, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 207, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2928, 0.2657, 0.3540 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(120, 207, 189) }
```

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

```
.border{ border-color:rgb(120, 207, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 207, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 207, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 207, 189); box-shadow:4px 4px 4px 4px rgb(120, 207, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2928, 0.2657, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 207, 189) }
```

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

```
.background{ background-color: rgb(120,  
207, 189) }
```

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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