

# Converting Colors

$Y_{xy}(52.2822, 0.2583, 0.3228)$

Have a look what the booklet for  
Yxy(52.2822, 0.2583, 0.3228)  
contains.

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# Color

**Yxy(52.2518, 0.2583, 0.3235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FCCD0
RGB	127, 204, 208
RGB Percent	50%, 80%, 82%
CMY	0.5022, 0.1999, 0.1844
CMYK	0.39, 0.02, 0.00, 0.18
HSL	183°, 46%, 66%
HSV	183°, 39%, 82%
XYZ	41.7207, 52.2518, 67.5478
YIQ	181.4330, -47.1760, -15.0800

# Conversions

## Conversions Part 2

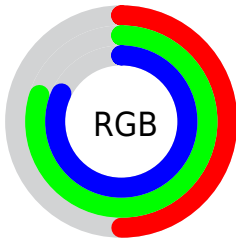
Format	Color
<a href="#">RYB</a>	<a href="#">127, 166, 208</a>
Decimal	<a href="#">8375504</a>
CIELab	<a href="#">77.43, -22.73, -9.49</a>
CIELCh	<a href="#">77, 24.629, 202.654</a>
Yxy	<a href="#">52.2518, 0.2583, 0.3235</a>
Android (android.graphics.Color)	<a href="#">4286565584 (0xFF7FCCD0)</a>
YUV	<a href="#">181.4330, 13.0975, -47.7377</a>
Hunter-Lab	<a href="#">72.2854, -23.4753, -4.8043</a>

# Details

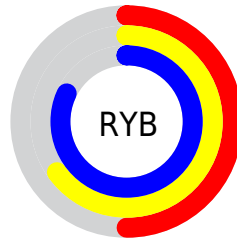
The Yxy color **52.2518, 0.2583, 0.3235** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1428, 0.4073, 0.3343**, and the grayscale version is **46.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **25.5235, 0.2444, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **50.3374, 0.2475, 0.3219**, and if you desaturate by 10%, it is **54.5030, 0.2707, 0.3250**.

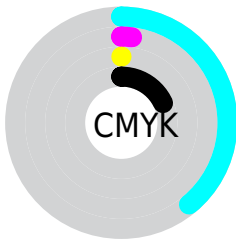
# Distribution



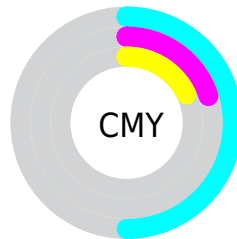
- Red (50%)
- Green (80%)
- Blue (82%)



- Red (50%)
- Yellow (65%)
- Blue (82%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)




- Cyan (50%)
- Magenta (20%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2518, 0.2583, 0.3235 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 52.2518, 0.2583, 0.3235 by changing the saturation by 10% instead.




 52.2518, 0.2583,  
0.3235

 52.2518, 0.2583,  
0.3235


395.4079, 0.2845,  
0.3267


 37.2058, 0.2521,  
0.3226


 93.5025, 0.2676,  
0.3248

 25.3669, 0.2442,  
0.3213


 120.4760, 0.2712,  
0.3252

 16.3506, 0.2341,  
0.3195


 152.1941, 0.2742,  
0.3256

 9.7726, 0.2204,  
0.3168

189.0412, 0.2768,  
0.3259

 5.2484, 0.2013,  
0.3123

231.4018, 0.2791,  
0.3262

 2.3938, 0.1727,  
0.3042

279.6602, 0.2811,

 0.8227, 0.0829,

0.3264

0.3003

334.2007, 0.2829,  
0.3266

0.0000, 0.0000,  
0.0000

52.2518, 0.2583,  
0.3235

52.2518, 0.2583,  
0.3235

50.3374, 0.2475,  
0.3219

54.5030, 0.2707,  
0.3250

48.7332, 0.2384,  
0.3203

57.1035, 0.2843,  
0.3265

47.4185, 0.2312,  
0.3186

60.0727, 0.2990,  
0.3279

46.3675, 0.2259,  
0.3170

63.4267, 0.3143,  
0.3291

45.5498, 0.2225,  
0.3153

67.1808, 0.3301,  
0.3303

■ 44.9159, 0.2206,  
0.3137

■ 71.3491, 0.3459,  
0.3313

■ 44.8541, 0.2204,  
0.3136

■ 72.4697, 0.3483,  
0.3323

■ 72.9771, 0.3481,  
0.3334

■ 73.4878, 0.3479,  
0.3344

# Harmonies

## Analogous

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



52.2518, 0.2800, 0.3554



52.2518, 0.2583, 0.3235



52.2518, 0.2507, 0.2955

# Triad

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



52.2518, 0.2583, 0.3235



52.2518, 0.3116, 0.2844



52.2518, 0.3689, 0.3791

# Complementary

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



52.2518, 0.2583, 0.3235



31.1428, 0.4073, 0.3343

# 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.



52.2518, 0.3789, 0.3574



52.2518, 0.2583, 0.3235



52.2518, 0.3449, 0.3041

# Square

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



52.2518, 0.2583, 0.3235



52.2518, 0.2802, 0.2749



52.2518, 0.3701, 0.3302



52.2518, 0.3437, 0.3884



# Rectangle

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



52.2518, 0.2583, 0.3235



52.2518, 0.2542, 0.2827



52.2518, 0.3701, 0.3302



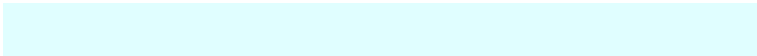
52.2518, 0.3742, 0.3729

# Sweetspot

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



52.2539, 0.2583, 0.3235



93.7002, 0.2942, 0.3274



51.2112, 0.3055, 0.4433



19.9205, 0.2923, 0.3273



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.



52.2539, 0.2583, 0.3235



80.2205, 0.2489, 0.3221



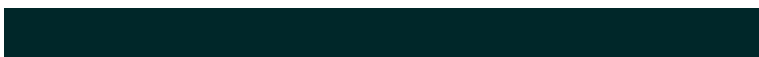
35.8823, 0.2498, 0.2673



13.3038, 0.2983, 0.3278



28.0040, 0.2205, 0.3138



1.5969, 0.2213, 0.3167



# Inverse Universe

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



32.9292, 0.3211, 0.2376



45.4780, 0.3231, 0.2192



43.7467, 0.3875, 0.3832



11.9987, 0.3145, 0.3072



10.8983, 0.3335, 0.1611

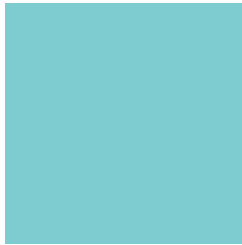


0.6125, 0.3310, 0.1597



# Previews

## White Background



This preview shows how the Yxy color 52.2518, 0.2583, 0.3235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

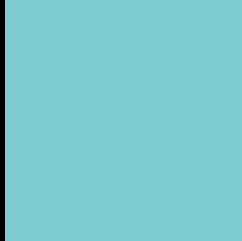
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2518, 0.2583, 0.3235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

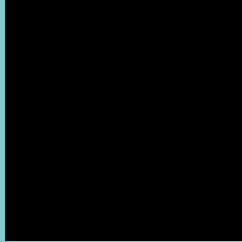
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

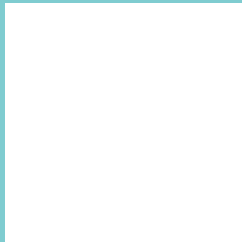
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2518, 0.2583, 0.3235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2518, 0.2583, 0.3235.

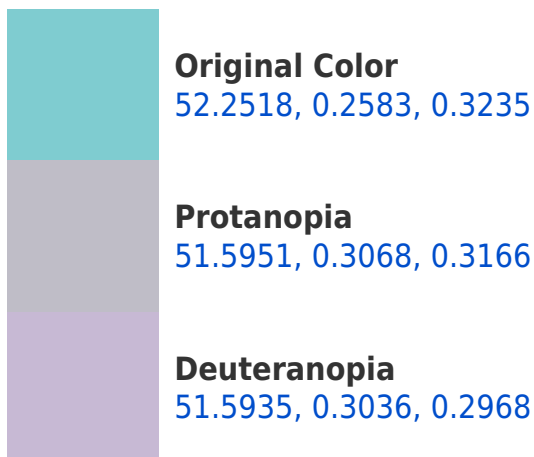


This preview shows how white text looks on a background with the Yxy color 52.2518, 0.2583, 0.3235.

# 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

52.1014, 0.2536, 0.3064

# Trichromacy



**Original Color**

52.2518, 0.2583, 0.3235

**Protanomaly**

51.1727, 0.2871, 0.3186

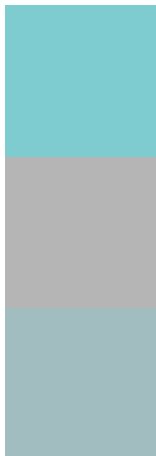
**Deuteranomaly**

51.2867, 0.2845, 0.3050

**Tritanomaly**

52.2853, 0.2554, 0.3129

# Monochromacy



**Original Color**

52.2518, 0.2583, 0.3235

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.7338, 0.2891, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.2518, 0.2583, 0.3235 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, 204, 208)` looks like.

```
.text, #text, p{  
    color:rgb(127, 204, 208)  
}
```

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, 204, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 204, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2518, 0.2583, 0.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

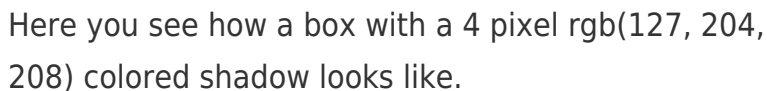
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 204, 208) }
```

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

```
.border{ border-color:rgb(127, 204, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 204, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 204, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 204, 208);  
box-shadow:4px 4px 4px 4px rgb(127, 204,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2518, 0.2583, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 204, 208) }
```

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

```
.background{ background-color: rgb(127,  
204, 208) }
```

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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