

# Converting Colors

$Y_{xy}(52.1797, 0.2428, 0.3272)$

Have a look what the booklet for  
Yxy(52.1797, 0.2428, 0.3272)  
contains.

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# Color

**Yxy(52.0949, 0.2431, 0.3274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ED0D1
RGB	94, 208, 209
RGB Percent	37%, 82%, 82%
CMY	0.6313, 0.1843, 0.1804
CMYK	0.55, 0.00, 0.00, 0.18
HSL	181°, 56%, 59%
HSV	181°, 55%, 82%
XYZ	38.6813, 52.0949, 68.3407
YIQ	174.0280, -68.2650, -23.8570

# Conversions

## Conversions Part 2

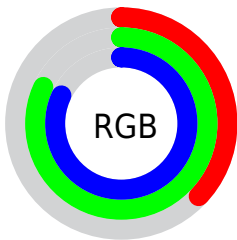
Format	Color
<a href="#">RYB</a>	<a href="#">94, 151, 209</a>
Decimal	<a href="#">6213841</a>
CIELab	<a href="#">77.34, -31.79, -10.31</a>
CIELCh	<a href="#">77, 33.417, 197.975</a>
Yxy	<a href="#">52.0949, 0.2431, 0.3274</a>
Android (android.graphics.Color)	<a href="#">4284403921</a> ( <a href="#">0xFF5ED0D1</a> )
YUV	<a href="#">174.0280, 17.2412, -70.1846</a>
Hunter-Lab	<a href="#">72.1768, -30.6468, -5.6151</a>

# Details

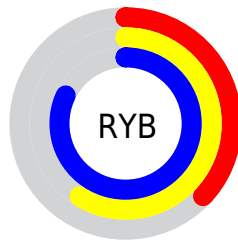
The Yxy color **52.0949, 0.2431, 0.3274** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5512, 0.4752, 0.3307**, and the grayscale version is **42.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **25.2424, 0.2251, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **51.0486, 0.2357, 0.3271**, and if you desaturate by 10%, it is **53.4444, 0.2524, 0.3277**.

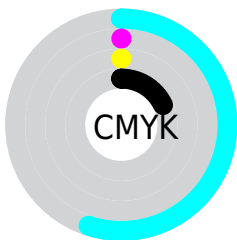
# Distribution



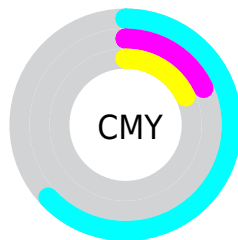
- Red (37%)
- Green (82%)
- Blue (82%)



- Red (37%)
- Yellow (59%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (63%)
- Magenta (18%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0949, 0.2431, 0.3274 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 52.0949, 0.2431, 0.3274 by changing the saturation by 10% instead.




 52.0949, 0.2431,  
0.3274


 52.0949, 0.2431,  
0.3274


394.8029, 0.2765,  
0.3290

 37.0807, 0.2352,  
0.3268


 93.2712, 0.2549,  
0.3282


 25.2700, 0.2253,  
0.3258


 120.2021, 0.2594,  
0.3284

 16.2783, 0.2127,  
0.3244


 151.8740, 0.2633,  
0.3286

 9.7213, 0.1958,  
0.3220

 188.6713, 0.2667,  
0.3287

 5.2146, 0.1725,  
0.3177

230.9785, 0.2696,  
0.3288

 2.3737, 0.1388,  
0.3091

279.1799, 0.2722,

 0.8123, 0.0000,

0.3289

0.3160

333.6599, 0.2744,  
0.3290

0.0000, 0.0000,  
0.0000

52.0949, 0.2431,  
0.3274

52.0949, 0.2431,  
0.3274

51.0486, 0.2357,  
0.3271

53.4444, 0.2524,  
0.3277

50.2747, 0.2301,  
0.3268

55.1131, 0.2635,  
0.3280

49.7466, 0.2265,  
0.3265

57.1229, 0.2762,  
0.3283

49.4291, 0.2245,  
0.3262

59.4922, 0.2901,  
0.3286

49.3179, 0.2239,  
0.3261

62.2380, 0.3050,  
0.3289

■ 65.3761, 0.3205,  
0.3291

■ 68.9216, 0.3365,  
0.3294

■ 71.6910, 0.3478,  
0.3296

■ 71.7808, 0.3478,  
0.3298

# Harmonies

## Analogous

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



52.0949, 0.2740, 0.3717



52.0949, 0.2431, 0.3274



52.0949, 0.2304, 0.2878

# Triad

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



52.0949, 0.2431, 0.3274



52.0949, 0.3036, 0.2669



52.0949, 0.3922, 0.3919

# Complementary

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



52.0949, 0.2431, 0.3274



22.5512, 0.4752, 0.3307

# 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.



52.0949, 0.4026, 0.3601



52.0949, 0.2431, 0.3274



52.0949, 0.3495, 0.2909

# Square

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



52.0949, 0.2431, 0.3274



52.0949, 0.2633, 0.2567



52.0949, 0.3868, 0.3240



52.0949, 0.3601, 0.4095



# Rectangle

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



52.0949, 0.2431, 0.3274



52.0949, 0.2329, 0.2695



52.0949, 0.3868, 0.3240



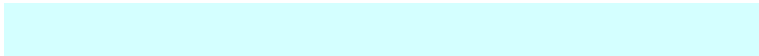
52.0949, 0.3984, 0.3824

# Sweetspot

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



52.0969, 0.2431, 0.3274



92.4441, 0.2869, 0.3285



48.7921, 0.3045, 0.5046



19.6207, 0.2841, 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.



52.0969, 0.2431, 0.3274



79.8189, 0.2346, 0.3270



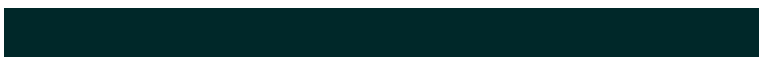
29.2809, 0.2252, 0.2418



13.3887, 0.2983, 0.3288



30.4144, 0.2239, 0.3261



1.7064, 0.2241, 0.3266



# Inverse Universe

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



26.1175, 0.3199, 0.2004



35.1537, 0.3211, 0.1808



36.6614, 0.4303, 0.3997



12.0072, 0.3139, 0.3063



11.1416, 0.3231, 0.1553

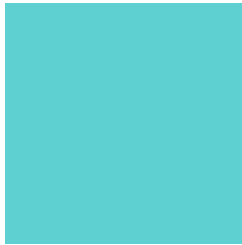


0.6236, 0.3227, 0.1551



# Previews

## White Background



This preview shows how the Yxy color 52.0949, 0.2431, 0.3274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

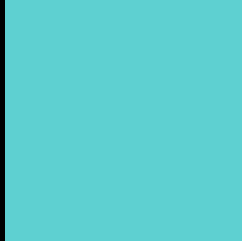
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0949, 0.2431, 0.3274 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

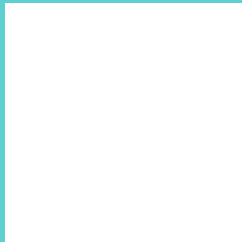
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0949, 0.2431, 0.3274**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0949, 0.2431, 0.3274.

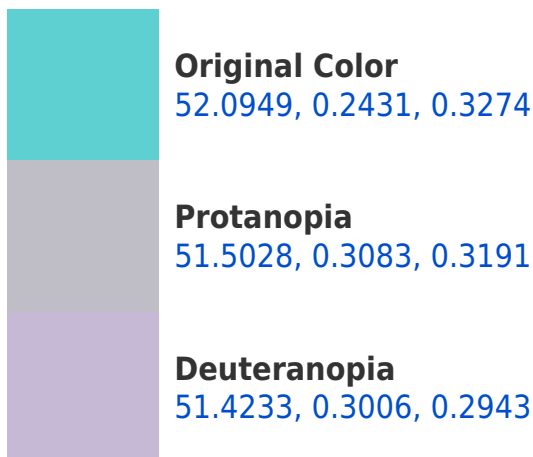


This preview shows how white text looks on a background with the Yxy color 52.0949, 0.2431, 0.3274.

# 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

52.1230, 0.2379, 0.3059

# Trichromacy



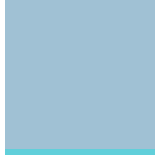
## Original Color

52.0949, 0.2431, 0.3274



## Protanomaly

50.7648, 0.2793, 0.3223



## Deuteranomaly

50.3670, 0.2747, 0.3045



## Tritanomaly

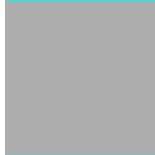
52.2290, 0.2397, 0.3138

# Monochromacy



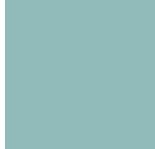
## Original Color

52.0949, 0.2431, 0.3274



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.7254, 0.2798, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0949, 0.2431, 0.3274 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(94, 208, 209)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 208, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 208, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0949, 0.2431, 0.3274 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(94, 208, 209) }
```

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

```
.border{ border-color:rgb(94, 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(94, 208, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 208, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 208, 209);  
box-shadow:4px 4px 4px 4px rgb(94, 208,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0949, 0.2431, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 208, 209) }
```

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

```
.background{ background-color: rgb(94, 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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