

# Converting Colors

$Yxy(52.1459, 0.2590, 0.3471)$

Have a look what the booklet for  
Yxy(52.1459, 0.2590, 0.3471)  
contains.

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# Color

**Yxy(52.0314, 0.2592, 0.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71CFC2
RGB	113, 207, 194
RGB Percent	44%, 81%, 76%
CMY	0.5567, 0.1882, 0.2391
CMYK	0.45, 0.00, 0.06, 0.19
HSL	172°, 49%, 63%
HSV	172°, 45%, 81%
XYZ	38.8661, 52.0314, 59.0489
YIQ	177.4120, -51.8510, -23.9710

# Conversions

## Conversions Part 2

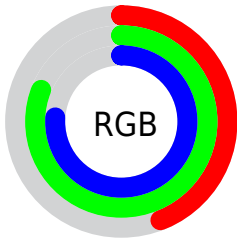
Format	Color
<a href="#">RYB</a>	113, 163, 207
Decimal	7458754
CIELab	77.30, -31.03, -2.24
CIElCh	77, 31.114, 184.121
Yxy	52.0314, 0.2592, 0.3470
Android (android.graphics.Color)	4285648834 (0xFF71CFC2)
YUV	177.4120, 8.1779, -56.4893
Hunter-Lab	72.1328, -30.0542, 1.9574

# Details

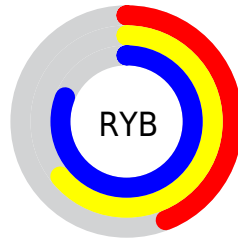
The Yxy color **52.0314, 0.2592, 0.3470** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.5901, 0.4165, 0.3128**, and the grayscale version is **44.1772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9682, 0.2675, 0.3343**, and **25.1621, 0.2455, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **50.6858, 0.2510, 0.3517**, and if you desaturate by 10%, it is **53.6967, 0.2690, 0.3425**.

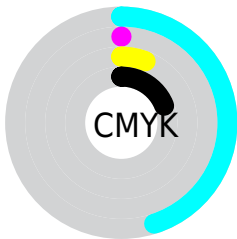
# Distribution



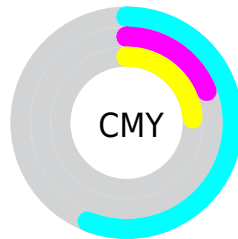
- Red (44%)
- Green (81%)
- Blue (76%)



- Red (44%)
- Yellow (64%)
- Blue (81%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)




- Cyan (56%)
- Magenta (19%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0314, 0.2592, 0.3470 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 52.0314, 0.2592, 0.3470 by changing the saturation by 10% instead.





 52.0314, 0.2592,  
0.3470

 52.0314, 0.2592,  
0.3470


394.5578, 0.2852,  
0.3384


 37.0301, 0.2529,  
0.3490


 93.1775, 0.2685,  
0.3440

 25.2308, 0.2450,  
0.3515


 120.0912, 0.2720,  
0.3428

 16.2491, 0.2347,  
0.3548


 151.7444, 0.2750,  
0.3418

 9.7006, 0.2208,  
0.3590

188.5216, 0.2776,  
0.3410

 5.2009, 0.2010,  
0.3649

230.8071, 0.2799,  
0.3402

 2.3656, 0.1708,  
0.3733

278.9854, 0.2819,

 0.8081, 0.0057,

0.3395

0.4353

333.4408, 0.2837,  
0.3389

0.0000, 0.0000,  
0.0000

52.0314, 0.2592,  
0.3470

52.0314, 0.2592,  
0.3470

50.6858, 0.2510,  
0.3517

53.6967, 0.2690,  
0.3425

49.6322, 0.2447,  
0.3565

55.6950, 0.2801,  
0.3383

48.8483, 0.2402,  
0.3613


58.0465, 0.2924,  
0.3344

48.3058, 0.2377,  
0.3662

60.7676, 0.3054,  
0.3308

47.9703, 0.2370,  
0.3710

63.8742, 0.3190,  
0.3275

 47.8554, 0.2370,  
0.3732

 67.3808, 0.3329,  
0.3246

 70.7404, 0.3445,  
0.3219

 70.8877, 0.3423,  
0.3190

 71.0376, 0.3402,  
0.3162

# Harmonies

## Analogous

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



52.0314, 0.2943, 0.3844



52.0314, 0.2592, 0.3470



52.0314, 0.2389, 0.3065

# Triad

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



52.0314, 0.2592, 0.3470



52.0314, 0.2856, 0.2646



52.0314, 0.3942, 0.3754

# Complementary

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



52.0314, 0.2592, 0.3470



26.5901, 0.4165, 0.3128

# 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.



52.0314, 0.3926, 0.3429



52.0314, 0.2592, 0.3470



52.0314, 0.3275, 0.2816

# Square

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



52.0314, 0.2592, 0.3470



52.0314, 0.2533, 0.2621



52.0314, 0.3676, 0.3094



52.0314, 0.3728, 0.3989



# Rectangle

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



52.0314, 0.2592, 0.3470



52.0314, 0.2355, 0.2847



52.0314, 0.3676, 0.3094



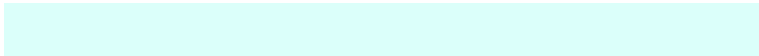
52.0314, 0.3964, 0.3651

# Sweetspot

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



52.0335, 0.2592, 0.3470



93.5333, 0.2940, 0.3340



50.3392, 0.3155, 0.4663



19.8298, 0.2912, 0.3348



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.



52.0335, 0.2592, 0.3470



81.3785, 0.2516, 0.3513



38.3331, 0.2439, 0.2814



13.3779, 0.3001, 0.3322



30.1627, 0.2368, 0.3725



1.6944, 0.2344, 0.3637



# Inverse Universe

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



26.5901, 0.4165, 0.3128



35.8389, 0.4510, 0.3102



34.9922, 0.4133, 0.3710



11.8344, 0.3269, 0.3258



8.4206, 0.6206, 0.3193

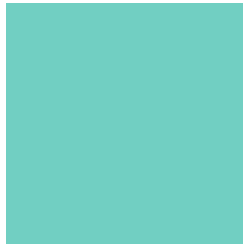


0.4797, 0.5779, 0.2957



# Previews

## White Background



This preview shows how the Yxy color 52.0314, 0.2592, 0.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

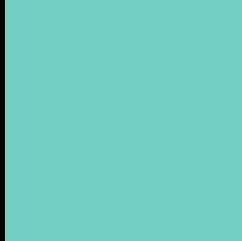
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0314, 0.2592, 0.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

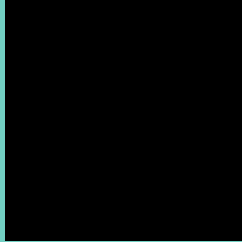
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

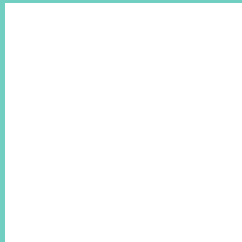
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0314, 0.2592, 0.3470**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0314, 0.2592, 0.3470.

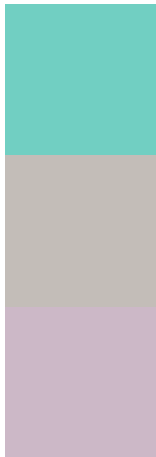


This preview shows how white text looks on a background with the Yxy color 52.0314, 0.2592, 0.3470.

# 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



### Original Color

52.0314, 0.2592, 0.3470

### Protanopia

51.4580, 0.3215, 0.3352

### Deuteranopia

51.2419, 0.3177, 0.3110



## Tritanopia

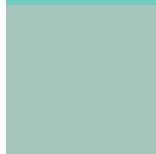
51.9441, 0.2486, 0.3062

# Trichromacy



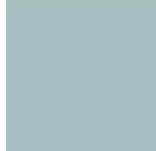
## Original Color

52.0314, 0.2592, 0.3470



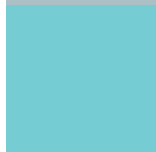
## Protanomaly

51.1100, 0.2945, 0.3395



## Deuteranomaly

50.3884, 0.2926, 0.3225



## Tritanomaly

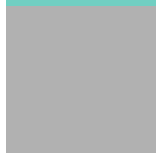
51.7404, 0.2519, 0.3193

# Monochromacy



## Original Color

52.0314, 0.2592, 0.3470



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

46.2554, 0.2894, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0314, 0.2592, 0.3470 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(113, 207, 194)` looks like.

```
.text, #text, p{  
    color:rgb(113, 207, 194)  
}
```

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(113, 207, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 207, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0314, 0.2592, 0.3470 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(113, 207, 194) }
```

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

```
.border{ border-color:rgb(113, 207, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 207, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 207, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 207, 194);  
box-shadow:4px 4px 4px 4px rgb(113, 207,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0314, 0.2592, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 207, 194) }
```

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

```
.background{ background-color: rgb(113,  
207, 194) }
```

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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