

# Converting Colors

$Y_{xy}(51.6584, 0.2536, 0.3217)$

Have a look what the booklet for  
Yxy(51.6584, 0.2536, 0.3217)  
contains.

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# Color

**Yxy(51.7111, 0.2535, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77CCD1
RGB	119, 204, 209
RGB Percent	47%, 80%, 82%
CMY	0.5334, 0.2000, 0.1803
CMYK	0.43, 0.02, 0.00, 0.18
HSL	183°, 49%, 64%
HSV	183°, 43%, 82%
XYZ	40.7104, 51.7111, 68.1719
YIQ	179.1550, -52.2650, -16.4650

# Conversions

## Conversions Part 2

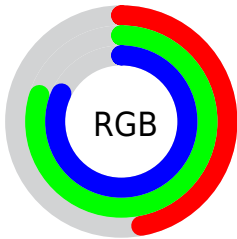
Format	Color
R <sub>YB</sub>	119, 163, 209
Decimal	7851217
CIE Lab	77.11, -24.43, -10.57
CIE LCh	77, 26.615, 203.394
Yxy	51.7111, 0.2535, 0.3220
Android (android.graphics.Color)	4286041297 (0xFF77CCD1)
YUV	179.1550, 14.7136, -52.7559
Hunter-Lab	71.9104, -24.7896, -5.8703

# Details

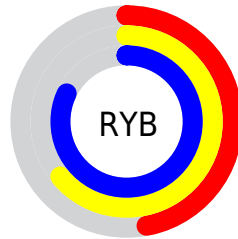
The Yxy color **51.7111, 0.2535, 0.3220** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3097, 0.4219, 0.3357**, and the grayscale version is **45.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **25.2034, 0.2384, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **49.8412, 0.2433, 0.3202**, and if you desaturate by 10%, it is **53.9144, 0.2653, 0.3238**.

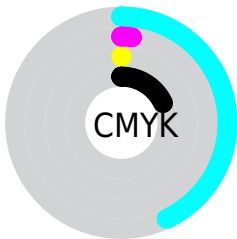
# Distribution



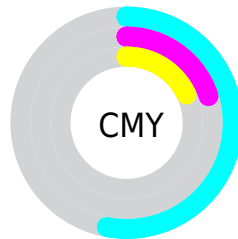
- Red (47%)
- Green (80%)
- Blue (82%)



- Red (47%)
- Yellow (64%)
- Blue (82%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)




- Cyan (53%)
- Magenta (20%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7111, 0.2535, 0.3220 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 51.7111, 0.2535, 0.3220 by changing the saturation by 10% instead.





 51.7111, 0.2535,  
0.3220


 51.7111, 0.2535,  
0.3220


393.3203, 0.2820,  
0.3261


 36.7748, 0.2467,  
0.3208


 92.7050, 0.2636,  
0.3236

 25.0332, 0.2382,  
0.3192


 119.5315, 0.2675,  
0.3242

 16.1018, 0.2272,  
0.3170


 151.0902, 0.2708,  
0.3246

 9.5962, 0.2125,  
0.3136

187.7654, 0.2737,  
0.3250

 5.1321, 0.1919,  
0.3082

229.9417, 0.2761,  
0.3253

 2.3250, 0.1614,  
0.2982

278.0033, 0.2783,

 0.7869, 0.0565,

0.3256

0.2934

332.3347, 0.2803,  
0.3259

0.0000, 0.0000,  
0.0000

51.7111, 0.2535,  
0.3220

51.7111, 0.2535,  
0.3220

49.8412, 0.2433,  
0.3202

53.9144, 0.2653,  
0.3238

48.2771, 0.2349,  
0.3183

56.4646, 0.2785,  
0.3255

46.9966, 0.2284,  
0.3164

59.3818, 0.2929,  
0.3271

45.9718, 0.2238,  
0.3145

62.6828, 0.3080,  
0.3286

45.1694, 0.2210,  
0.3126

66.3833, 0.3236,  
0.3299

■ 44.7034, 0.2198,  
0.3114

■ 70.4983, 0.3394,  
0.3311

■ 73.0334, 0.3473,  
0.3323

■ 73.6190, 0.3471,  
0.3335

■ 74.2089, 0.3469,  
0.3347

# Harmonies

## Analogous

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



51.7111, 0.2764, 0.3568



51.7111, 0.2535, 0.3220



51.7111, 0.2458, 0.2919

# Triad

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



51.7111, 0.2535, 0.3220



51.7111, 0.3124, 0.2813



51.7111, 0.3730, 0.3836

# Complementary

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



51.7111, 0.2535, 0.3220



29.3097, 0.4219, 0.3357

# 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.



51.7111, 0.3845, 0.3601



51.7111, 0.2535, 0.3220



51.7111, 0.3484, 0.3027

# Square

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



51.7111, 0.2535, 0.3220



51.7111, 0.2783, 0.2708



51.7111, 0.3755, 0.3309



51.7111, 0.3453, 0.3936



# Rectangle

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



51.7111, 0.2535, 0.3220



51.7111, 0.2498, 0.2784



51.7111, 0.3755, 0.3309



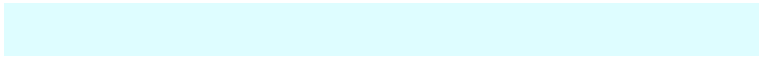
51.7111, 0.3790, 0.3769

# Sweetspot

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



51.7131, 0.2535, 0.3220



93.0719, 0.2927, 0.3271



50.9768, 0.3039, 0.4554



19.6919, 0.2895, 0.3267



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.



51.7131, 0.2535, 0.3220



78.2785, 0.2437, 0.3202



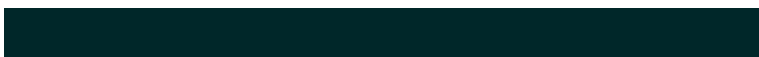
33.4973, 0.2427, 0.2572



13.2894, 0.2983, 0.3276



27.6047, 0.2199, 0.3116



1.5787, 0.2208, 0.3150



# Inverse Universe

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



31.1108, 0.3227, 0.2292



42.0303, 0.3251, 0.2098



43.0847, 0.3965, 0.3907



11.9972, 0.3146, 0.3073



10.8580, 0.3353, 0.1621

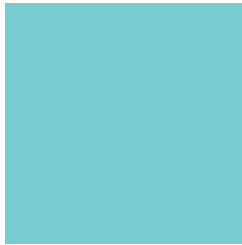


0.6107, 0.3324, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 51.7111, 0.2535, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

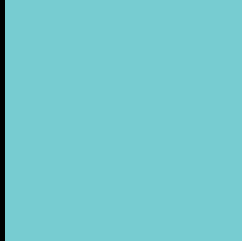
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.7111, 0.2535, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

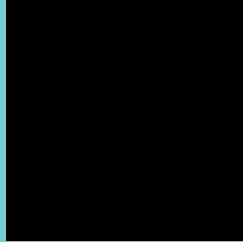
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.7111, 0.2535, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7111, 0.2535, 0.3220.

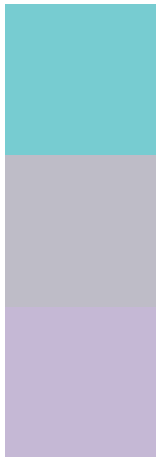


This preview shows how white text looks on a background with the Yxy color 51.7111, 0.2535, 0.3220.

# 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

51.7111, 0.2535, 0.3220

### Protanopia

51.0371, 0.3060, 0.3154

### Deuteranopia

50.9554, 0.3013, 0.2943



## Tritanopia

51.4931, 0.2493, 0.3062

# Trichromacy



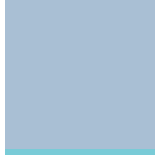
## Original Color

51.7111, 0.2535, 0.3220



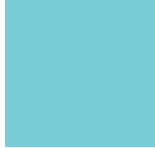
## Protanomaly

50.7879, 0.2835, 0.3173



## Deuteranomaly

50.4501, 0.2809, 0.3023



## Tritanomaly

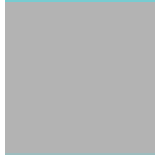
51.6831, 0.2511, 0.3127

# Monochromacy



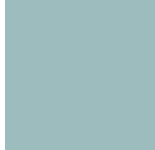
## Original Color

51.7111, 0.2535, 0.3220



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

46.8522, 0.2867, 0.3262

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7111, 0.2535, 0.3220 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(119, 204, 209)` looks like.

```
.text, #text, p{  
    color:rgb(119, 204, 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(119, 204, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 204, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7111, 0.2535, 0.3220 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(119, 204, 209) }
```

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

```
.border{ border-color:rgb(119, 204, 209) }
```

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

Here you see how a box with a 4 pixel rgb(119, 204, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 204, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 204, 209);  
box-shadow:4px 4px 4px 4px rgb(119, 204,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7111, 0.2535, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 204, 209) }
```

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

```
.background{ background-color: rgb(119,  
204, 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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