

# Converting Colors

$Yxy(52.2724, 0.2599, 0.3368)$

Have a look what the booklet for  
Yxy(52.2724, 0.2599, 0.3368)  
contains.

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# Color

**Yxy(52.3777, 0.2599, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79CEC8
RGB	121, 206, 200
RGB Percent	47%, 81%, 78%
CMY	0.5254, 0.1921, 0.2157
CMYK	0.41, 0.00, 0.03, 0.19
HSL	176°, 46%, 64%
HSV	176°, 41%, 81%
XYZ	40.3826, 52.3777, 62.6171
YIQ	179.9010, -48.7340, -19.8860

# Conversions

## Conversions Part 2

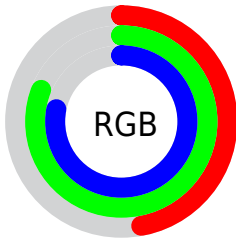
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 165, 206
Decimal	7982792
CIELab	77.51, -27.16, -5.10
CIElCh	78, 27.633, 190.638
Yxy	52.3777, 0.2599, 0.3371
Android (android.graphics.Color)	4286172872 (0xFF79CEC8)
YUV	179.9010, 9.9088, -51.6562
Hunter-Lab	72.3724, -27.0519, -0.6374

# Details

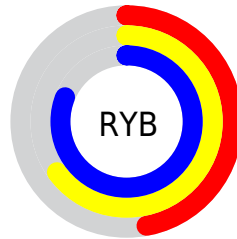
The Yxy color **52.3777, 0.2599, 0.3371** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3356, 0.4100, 0.3216**, and the grayscale version is **45.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **25.3324, 0.2462, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **50.9788, 0.2505, 0.3394**, and if you desaturate by 10%, it is **54.0992, 0.2709, 0.3349**.

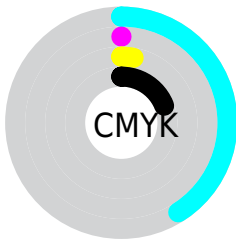
# Distribution



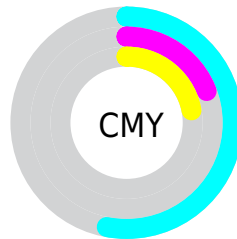
- Red (47%)
- Green (81%)
- Blue (78%)



- Red (47%)
- Yellow (65%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)




- Cyan (53%)
- Magenta (19%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3777, 0.2599, 0.3371 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 52.3777, 0.2599, 0.3371 by changing the saturation by 10% instead.





 52.3777, 0.2599,  
0.3371

 52.3777, 0.2599,  
0.3371


395.8930, 0.2855,  
0.3335

 37.3062, 0.2538,  
0.3379


 93.6880, 0.2690,  
0.3359

 25.4447, 0.2461,  
0.3387


 120.6957, 0.2725,  
0.3354

 16.4087, 0.2361,  
0.3398


 152.4508, 0.2754,  
0.3350

 9.8138, 0.2226,  
0.3410

189.3379, 0.2780,  
0.3346

 5.2757, 0.2035,  
0.3424

231.7412, 0.2802,  
0.3343

 2.4099, 0.1747,  
0.3434

280.0453, 0.2822,

 0.8310, 0.0563,

0.3340

0.3692

334.6344, 0.2839,  
0.3338

0.0000, 0.0000,  
0.0000

52.3777, 0.2599,  
0.3371

52.3777, 0.2599,  
0.3371

50.9788, 0.2505,  
0.3394

54.0992, 0.2709,  
0.3349

49.8759, 0.2429,  
0.3417

56.1556, 0.2833,  
0.3329

49.0482, 0.2372,  
0.3441


58.5662, 0.2967,  
0.3310


48.4697, 0.2334,  
0.3465

61.3471, 0.3109,  
0.3292


48.1092, 0.2314,  
0.3489


64.5133, 0.3256,  
0.3276

 47.9239, 0.2308,  
0.3509

 68.0788, 0.3406,  
0.3262

 70.0664, 0.3475,  
0.3248

 70.1395, 0.3464,  
0.3233

 70.2132, 0.3453,  
0.3219

# Harmonies

## Analogous

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



52.3777, 0.2890, 0.3716



52.3777, 0.2599, 0.3371



52.3777, 0.2450, 0.3025

# Triad

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



52.3777, 0.2599, 0.3371



52.3777, 0.2965, 0.2736



52.3777, 0.3825, 0.3762

# Complementary

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



52.3777, 0.2599, 0.3371



28.3356, 0.4100, 0.3216

# 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.



52.3777, 0.3856, 0.3484



52.3777, 0.2599, 0.3371



52.3777, 0.3342, 0.2913

# Square

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



52.3777, 0.2599, 0.3371



52.3777, 0.2650, 0.2685



52.3777, 0.3676, 0.3180



52.3777, 0.3600, 0.3936



# Rectangle

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



52.3777, 0.2599, 0.3371



52.3777, 0.2443, 0.2848



52.3777, 0.3676, 0.3180



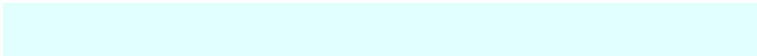
52.3777, 0.3859, 0.3677

# Sweetspot

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



52.3798, 0.2599, 0.3371



94.5126, 0.2954, 0.3311



50.1219, 0.3116, 0.4535



20.1133, 0.2936, 0.3314



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.



52.3798, 0.2599, 0.3371



82.7229, 0.2510, 0.3392



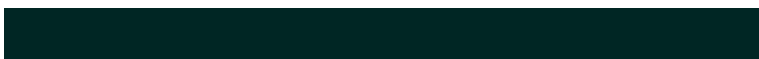
37.4956, 0.2485, 0.2780



12.7128, 0.2993, 0.3306



29.5154, 0.2307, 0.3506



1.5269, 0.2294, 0.3459



# Inverse Universe

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



28.3356, 0.4100, 0.3216



38.3607, 0.4455, 0.3202



38.4249, 0.3981, 0.3743



11.2263, 0.3279, 0.3274



8.1059, 0.6316, 0.3253

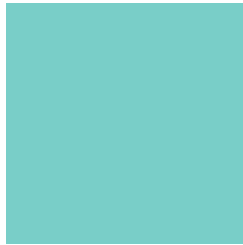


0.4228, 0.6045, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 52.3777, 0.2599, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

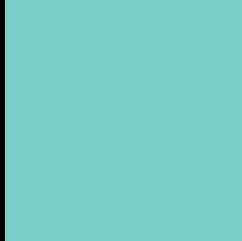
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3777, 0.2599, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

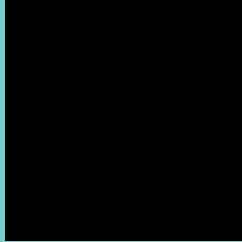
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

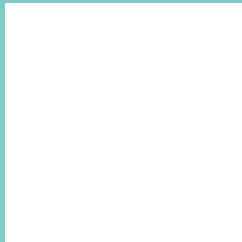
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3777, 0.2599, 0.3371**

## Background



This preview shows how black text looks on a background with the Yxy color 52.3777, 0.2599, 0.3371.

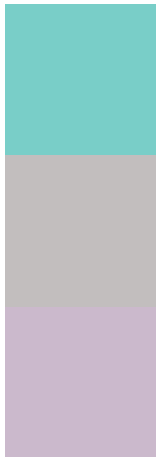


This preview shows how white text looks on a background with the Yxy color 52.3777, 0.2599, 0.3371.

# 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

52.3777, 0.2599, 0.3371

### Protanopia

52.0140, 0.3160, 0.3290

### Deuteranopia

51.7541, 0.3130, 0.3063



## Tritanopia

52.2620, 0.2517, 0.3077

# Trichromacy



**Original Color**

52.3777, 0.2599, 0.3371

**Protanomaly**

51.5904, 0.2918, 0.3315

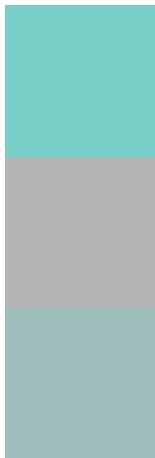
**Deuteranomaly**

51.3360, 0.2900, 0.3162

**Tritanomaly**

52.2243, 0.2545, 0.3181

# Monochromacy



**Original Color**

52.3777, 0.2599, 0.3371

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.3540, 0.2904, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.3777, 0.2599, 0.3371 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(121, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(121, 206, 200)  
}
```

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(121, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 206, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3777, 0.2599, 0.3371 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(121, 206, 200) }
```

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

```
.border{ border-color:rgb(121, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(121, 206,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3777, 0.2599, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 206, 200) }
```

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

```
.background{ background-color: rgb(121,  
206, 200) }
```

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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