

# Converting Colors

$Y_{xy}(52.0374, 0.2521, 0.3502)$

Have a look what the booklet for  
Yxy(52.0374, 0.2521, 0.3502)  
contains.

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# Color

**Yxy(52.0374, 0.2521, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61D1C2
RGB	97, 209, 194
RGB Percent	38%, 82%, 76%
CMY	0.6199, 0.1803, 0.2393
CMYK	0.54, 0.00, 0.07, 0.18
HSL	172°, 55%, 60%
HSV	172°, 54%, 82%
XYZ	37.4604, 52.0374, 59.0956
YIQ	173.8020, -61.9370, -28.4090

# Conversions

## Conversions Part 2

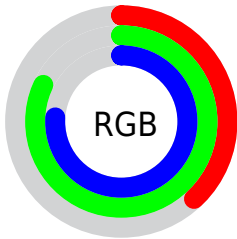
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 157, 209
Decimal	6410690
CIELab	77.30, -35.58, -2.27
CIELCh	77, 35.651, 183.655
Yxy	52.0374, 0.2521, 0.3502
Android (android.graphics.Color)	4284600770 (0xFF61D1C2)
YUV	173.8020, 9.9576, -67.3554
Hunter-Lab	72.1370, -33.5454, 1.9247

# Details

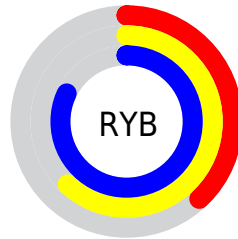
The Yxy color **52.0374, 0.2521, 0.3502** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2639, 0.4477, 0.3110**, and the grayscale version is **42.1844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4900, 0.2610, 0.3344**, and **25.2673, 0.2359, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **50.9147, 0.2454, 0.3548**, and if you desaturate by 10%, it is **53.4689, 0.2606, 0.3457**.

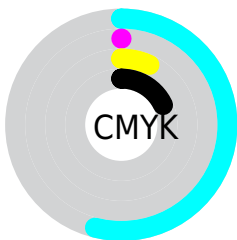
# Distribution



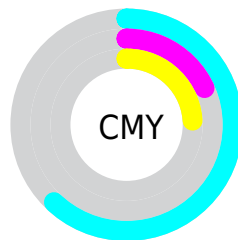
- Red (38%)
- Green (82%)
- Blue (76%)



- Red (38%)
- Yellow (62%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (7%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0374, 0.2521, 0.3502 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 52.0374, 0.2521, 0.3502 by changing the saturation by 10% instead.




 52.0374, 0.2521,  
0.3502


 52.0374, 0.2521,  
0.3502


394.5810, 0.2815,  
0.3401

 37.0349, 0.2450,  
0.3526


 93.1864, 0.2626,  
0.3466

 25.2345, 0.2361,  
0.3555


 120.1017, 0.2666,  
0.3453

 16.2519, 0.2246,  
0.3593


 151.7566, 0.2700,  
0.3441

 9.7025, 0.2090,  
0.3642

 188.5357, 0.2729,  
0.3431

 5.2022, 0.1870,  
0.3710

230.8233, 0.2755,  
0.3422

 2.3664, 0.1539,  
0.3806

279.0038, 0.2777,

 0.8085, 0.0000,

0.3414


0.4371


333.4615, 0.2797,  
0.3407

 0.0000, 0.0000,  
0.0000


 52.0374, 0.2521,  
0.3502


 52.0374, 0.2521,  
0.3502


 50.9147, 0.2454,  
0.3548


 53.4689, 0.2606,  
0.3457


 50.0704, 0.2406,  
0.3595

 55.2248, 0.2707,  
0.3414


 49.4783, 0.2377,  
0.3643

 57.3267, 0.2821,  
0.3374

 49.1047, 0.2367,  
0.3690

 59.7930, 0.2946,  
0.3336

 48.9427, 0.2367,  
0.3719

 62.6403, 0.3078,  
0.3302

■ 65.8846, 0.3215,  
0.3270

■ 69.5407, 0.3354,  
0.3243

■ 71.8465, 0.3424,  
0.3216

■ 71.9932, 0.3403,  
0.3187

# Harmonies

## Analogous

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



52.0374, 0.2920, 0.3938



52.0374, 0.2521, 0.3502



52.0374, 0.2291, 0.3034

# Triad

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



52.0374, 0.2521, 0.3502



52.0374, 0.2809, 0.2560



52.0374, 0.4061, 0.3806

# Complementary

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



52.0374, 0.2521, 0.3502



23.2639, 0.4477, 0.3110

# 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.



52.0374, 0.4042, 0.3434



52.0374, 0.2521, 0.3502



52.0374, 0.3286, 0.2749

# Square

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



52.0374, 0.2521, 0.3502



52.0374, 0.2448, 0.2532



52.0374, 0.3749, 0.3059



52.0374, 0.3816, 0.4084



# Rectangle

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



52.0374, 0.2521, 0.3502



52.0374, 0.2251, 0.2785



52.0374, 0.3749, 0.3059



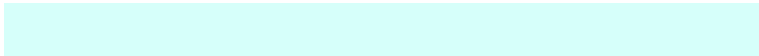
52.0374, 0.4087, 0.3687

# Sweetspot

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



52.0394, 0.2521, 0.3502



92.7187, 0.2913, 0.3345



50.0298, 0.3150, 0.4945



19.6697, 0.2887, 0.3353



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.



52.0394, 0.2521, 0.3502



79.6744, 0.2448, 0.3554



35.8113, 0.2327, 0.2709



13.3787, 0.3001, 0.3321



30.1829, 0.2365, 0.3712



1.6954, 0.2341, 0.3627



# Inverse Universe

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



23.2639, 0.4477, 0.3110



30.0876, 0.4942, 0.3094



32.0733, 0.4392, 0.3779



11.8337, 0.3270, 0.3259



8.4180, 0.6214, 0.3197

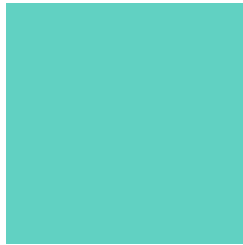


0.4793, 0.5795, 0.2966



# Previews

## White Background



This preview shows how the Yxy color 52.0374, 0.2521, 0.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

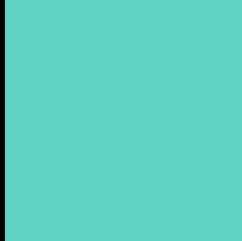
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0374, 0.2521, 0.3502 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

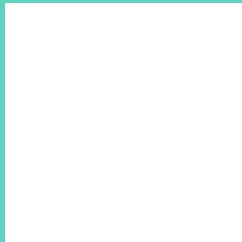
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0374, 0.2521, 0.3502**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0374, 0.2521, 0.3502.

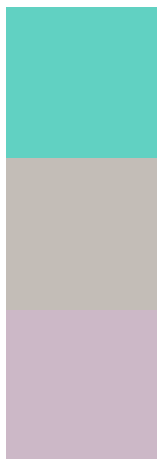


This preview shows how white text looks on a background with the Yxy color 52.0374, 0.2521, 0.3502.

# 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

52.0374, 0.2521, 0.3502

### Protanopia

51.4162, 0.3223, 0.3365

### Deuteranopia

51.2419, 0.3177, 0.3110



## Tritanopia

52.0007, 0.2410, 0.3060

# Trichromacy



## Original Color

52.0374, 0.2521, 0.3502



## Protanomaly

50.4386, 0.2907, 0.3410



## Deuteranomaly

50.1705, 0.2882, 0.3237



## Tritanomaly

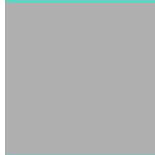
51.7796, 0.2448, 0.3206

# Monochromacy



## Original Color

52.0374, 0.2521, 0.3502



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.9878, 0.2847, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0374, 0.2521, 0.3502 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(97, 209, 194)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 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(97, 209, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0374, 0.2521, 0.3502 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(97, 209, 194) }
```

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

```
.border{ border-color:rgb(97, 209, 194) }
```

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

Here you see how a box with a 4 pixel rgb(97, 209, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 209, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 209, 194);  
box-shadow:4px 4px 4px 4px rgb(97, 209,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0374, 0.2521, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 209, 194) }
```

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

```
.background{ background-color: rgb(97, 209,  
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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