

# Converting Colors

$Yxy(52.2368, 0.2655, 0.3435)$

Have a look what the booklet for  
Yxy(52.2368, 0.2655, 0.3435)  
contains.

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# Color

**Yxy(52.0384, 0.2653, 0.3426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ECDC3
RGB	126, 205, 195
RGB Percent	49%, 80%, 76%
CMY	0.5055, 0.1961, 0.2352
CMYK	0.38, 0.00, 0.05, 0.20
HSL	172°, 44%, 65%
HSV	172°, 38%, 80%
XYZ	40.2971, 52.0384, 59.5571
YIQ	180.2390, -43.8740, -19.8580

# Conversions

## Conversions Part 2

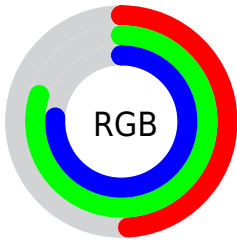
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">126, 168, 205</a>
Decimal	<a href="#">8310211</a>
CIELab	<a href="#">77.30, -26.55, -2.70</a>
CIELCh	<a href="#">77, 26.688, 185.797</a>
Yxy	<a href="#">52.0384, 0.2653, 0.3426</a>
Android (android.graphics.Color)	<a href="#">4286500291</a> ( <a href="#">0xFF7ECDC3</a> )
YUV	<a href="#">180.2390, 7.2772, -47.5676</a>
Hunter-Lab	<a href="#">72.1376, -26.5283, 1.5463</a>

# Details

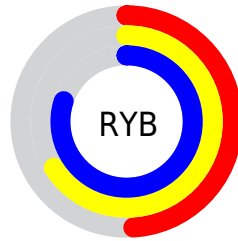
The Yxy color **52.0384, 0.2653, 0.3426** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.7034, 0.3951, 0.3163**, and the grayscale version is **45.7672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4301, 0.2730, 0.3332**, and **25.0754, 0.2527, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **50.5208, 0.2559, 0.3467**, and if you desaturate by 10%, it is **53.8815, 0.2762, 0.3387**.

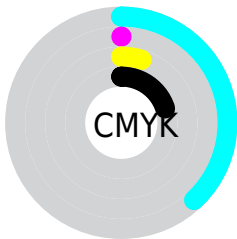
# Distribution



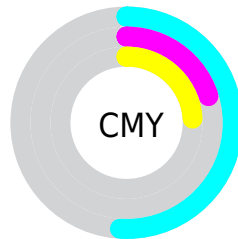
- Red (49%)
- Green (80%)
- Blue (76%)



- Red (49%)
- Yellow (66%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (51%)
- Magenta (20%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0384, 0.2653, 0.3426 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 52.0384, 0.2653, 0.3426 by changing the saturation by 10% instead.





 52.0384, 0.2653,  
0.3426


 52.0384, 0.2653,  
0.3426


394.5848, 0.2884,  
0.3362

 37.0357, 0.2597,  
0.3441


 93.1879, 0.2735,  
0.3403

 25.2351, 0.2527,  
0.3460


 120.1034, 0.2767,  
0.3395

 16.2523, 0.2435,  
0.3484

 151.7587, 0.2793,  
0.3387

 9.7029, 0.2311,  
0.3515

188.5381, 0.2816,  
0.3381

 5.2024, 0.2134,  
0.3558

230.8260, 0.2837,  
0.3375

 2.3665, 0.1862,  
0.3618

279.0068, 0.2854,

 0.8086, 0.0601,

0.3370

0.4040

333.4650, 0.2870,  
0.3366

0.0000, 0.0000,  
0.0000

52.0384, 0.2653,  
0.3426

52.0384, 0.2653,  
0.3426

50.5208, 0.2559,  
0.3467

53.8815, 0.2762,  
0.3387

49.3030, 0.2482,  
0.3510

56.0619, 0.2882,  
0.3350

48.3651, 0.2423,  
0.3554

58.5982, 0.3012,  
0.3316

47.6824, 0.2384,  
0.3598

61.5061, 0.3148,  
0.3286

47.2258, 0.2364,  
0.3642

64.8002, 0.3288,  
0.3258

■ 46.9502, 0.2359,  
0.3686

■ 68.4942, 0.3428,  
0.3233

■ 46.9143, 0.2359,  
0.3693

■ 69.7288, 0.3455,  
0.3208

■ 69.8616, 0.3435,  
0.3181

■ 69.9965, 0.3415,  
0.3155

# Harmonies

## Analogous

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



52.0384, 0.2952, 0.3746



52.0384, 0.2653, 0.3426



52.0384, 0.2483, 0.3084

# Triad

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



52.0384, 0.2653, 0.3426



52.0384, 0.2915, 0.2735



52.0384, 0.3821, 0.3710

# Complementary

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



52.0384, 0.2653, 0.3426



29.7034, 0.3951, 0.3163

# 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.



52.0384, 0.3817, 0.3432



52.0384, 0.2653, 0.3426



52.0384, 0.3276, 0.2890

# Square

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



52.0384, 0.2653, 0.3426



52.0384, 0.2627, 0.2709



52.0384, 0.3614, 0.3138



52.0384, 0.3631, 0.3898



# Rectangle

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



52.0384, 0.2653, 0.3426



52.0384, 0.2458, 0.2899



52.0384, 0.3614, 0.3138



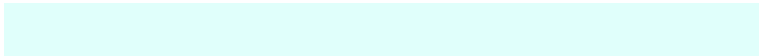
52.0384, 0.3843, 0.3623

# Sweetspot

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



52.0405, 0.2653, 0.3426



94.4046, 0.2964, 0.3328



50.4516, 0.3147, 0.4428



20.0877, 0.2946, 0.3333



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.



52.0405, 0.2653, 0.3426



83.1990, 0.2576, 0.3459



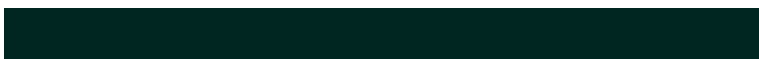
39.9247, 0.2536, 0.2878



12.7017, 0.3000, 0.3319



29.2196, 0.2357, 0.3686



1.5144, 0.2334, 0.3601



# Inverse Universe

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



29.7034, 0.3951, 0.3163



41.6354, 0.4221, 0.3139



37.9367, 0.3927, 0.3663



11.2364, 0.3270, 0.3261



8.1340, 0.6227, 0.3204

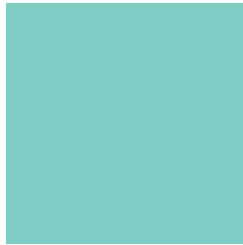


0.4274, 0.5800, 0.2969



# Previews

## White Background



This preview shows how the Yxy color 52.0384, 0.2653, 0.3426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

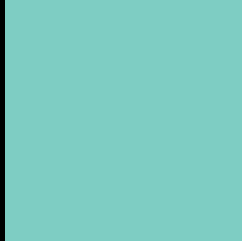
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0384, 0.2653, 0.3426 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

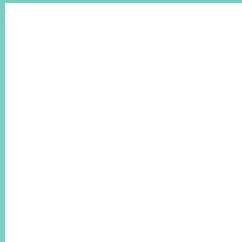
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0384, 0.2653, 0.3426**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0384, 0.2653, 0.3426.

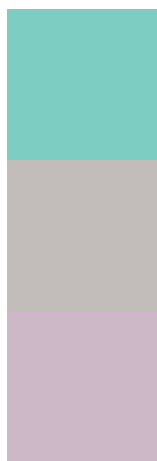


This preview shows how white text looks on a background with the Yxy color 52.0384, 0.2653, 0.3426.

# 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

52.0384, 0.2653, 0.3426

### Protanopia

51.4097, 0.3192, 0.3328

### Deuteranopia

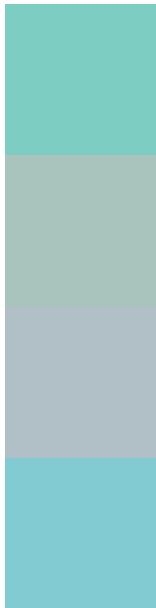
51.2419, 0.3177, 0.3110



## Tritanopia

52.2085, 0.2552, 0.3078

# Trichromacy



**Original Color**

52.0384, 0.2653, 0.3426

**Protanomaly**

51.1394, 0.2968, 0.3368

**Deuteranomaly**

51.0066, 0.2957, 0.3213

**Tritanomaly**

52.1108, 0.2587, 0.3195

# Monochromacy



**Original Color**

52.0384, 0.2653, 0.3426

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.3716, 0.2926, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0384, 0.2653, 0.3426 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(126, 205, 195)` looks like.

```
.text, #text, p{  
    color:rgb(126, 205, 195)  
}
```

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(126, 205, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 205, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0384, 0.2653, 0.3426 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(126, 205, 195) }
```

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

```
.border{ border-color:rgb(126, 205, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 205, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 205, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 205, 195);  
box-shadow:4px 4px 4px 4px rgb(126, 205,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0384, 0.2653, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 205, 195) }
```

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

```
.background{ background-color: rgb(126,  
205, 195) }
```

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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