

# Converting Colors

$Yxy(51.9858, 0.2645, 0.3358)$

Have a look what the booklet for  
Yxy(51.9858, 0.2645, 0.3358)  
contains.

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# Color

**Yxy(51.9764, 0.2645, 0.3357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81CCC7
RGB	129, 204, 199
RGB Percent	51%, 80%, 78%
CMY	0.4942, 0.2000, 0.2196
CMYK	0.37, 0.00, 0.02, 0.20
HSL	176°, 42%, 65%
HSV	176°, 37%, 80%
XYZ	40.9525, 51.9764, 61.9010
YIQ	181.0050, -43.0950, -17.4550

# Conversions

## Conversions Part 2

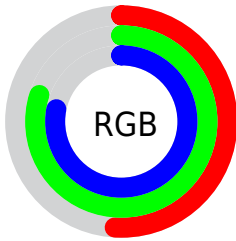
Format	Color
<a href="#">RYB</a>	<a href="#">129, 168, 204</a>
Decimal	<a href="#">8506567</a>
CIELab	<a href="#">77.27, -24.37, -4.88</a>
CIELCh	<a href="#">77, 24.850, 191.319</a>
Yxy	<a href="#">51.9764, 0.2645, 0.3357</a>
Android (android.graphics.Color)	<a href="#">4286696647 (0xFF81CCC7)</a>
YUV	<a href="#">181.0050, 8.8715, -45.6084</a>
Hunter-Lab	<a href="#">72.0947, -24.7709, -0.4406</a>

# Details

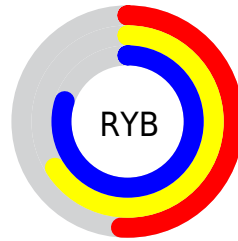
The Yxy color **51.9764, 0.2645, 0.3357** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2574, 0.3952, 0.3227**, and the grayscale version is **46.1793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **25.3129, 0.2518, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **50.4743, 0.2543, 0.3378**, and if you desaturate by 10%, it is **53.8021, 0.2762, 0.3337**.

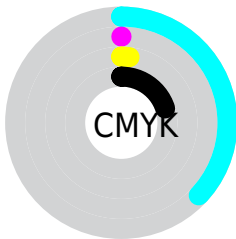
# Distribution



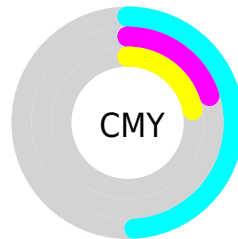
- Red (51%)
- Green (80%)
- Blue (78%)



- Red (51%)
- Yellow (66%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9764, 0.2645, 0.3357 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 51.9764, 0.2645, 0.3357 by changing the saturation by 10% instead.





 51.9764, 0.2645,  
0.3357


 51.9764, 0.2645,  
0.3357


394.3455, 0.2879,  
0.3328


 36.9863, 0.2589,  
0.3363


 93.0964, 0.2728,  
0.3347

 25.1969, 0.2518,  
0.3371


 119.9951, 0.2760,  
0.3343

 16.2238, 0.2426,  
0.3379


 151.6321, 0.2787,  
0.3340

 9.6826, 0.2301,  
0.3389

188.3918, 0.2811,  
0.3337

 5.1891, 0.2123,  
0.3400

230.6586, 0.2831,  
0.3334

 2.3586, 0.1852,  
0.3408

278.8169, 0.2849,

 0.8045, 0.0767,

0.3332

0.3634

333.2510, 0.2865,  
0.3329

0.0000, 0.0000,  
0.0000

51.9764, 0.2645,  
0.3357

51.9764, 0.2645,  
0.3357

50.4743, 0.2543,  
0.3378

53.8021, 0.2762,  
0.3337

49.2705, 0.2459,  
0.3400

55.9628, 0.2891,  
0.3318

48.3460, 0.2393,  
0.3422

58.4766, 0.3029,  
0.3301

47.6768, 0.2346,  
0.3445


61.3589, 0.3175,  
0.3285

47.2353, 0.2318,  
0.3467

64.6238, 0.3324,  
0.3271


 46.9847, 0.2307,  
0.3489

 68.2850, 0.3474,  
0.3258

 46.9229, 0.2305,  
0.3496

 69.0297, 0.3492,  
0.3245

 69.0973, 0.3481,  
0.3231

 69.1655, 0.3471,  
0.3217

# Harmonies

## Analogous

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



51.9764, 0.2907, 0.3666



51.9764, 0.2645, 0.3357



51.9764, 0.2512, 0.3047

# Triad

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



51.9764, 0.2645, 0.3357



51.9764, 0.2989, 0.2789



51.9764, 0.3754, 0.3724

# Complementary

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



51.9764, 0.2645, 0.3357



30.2574, 0.3952, 0.3227

# 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.



51.9764, 0.3785, 0.3475



51.9764, 0.2645, 0.3357



51.9764, 0.3330, 0.2953

# Square

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



51.9764, 0.2645, 0.3357



51.9764, 0.2701, 0.2741



51.9764, 0.3627, 0.3198



51.9764, 0.3550, 0.3874



# Rectangle

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



51.9764, 0.2645, 0.3357



51.9764, 0.2508, 0.2888



51.9764, 0.3627, 0.3198



51.9764, 0.3786, 0.3648

# Sweetspot

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



51.9785, 0.2645, 0.3357



94.9426, 0.2968, 0.3308



49.9446, 0.3120, 0.4379



20.1994, 0.2949, 0.3311



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.



51.9785, 0.2645, 0.3357



84.0881, 0.2564, 0.3373



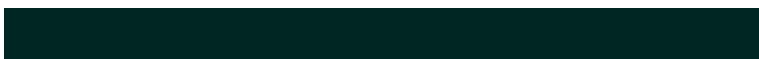
38.8175, 0.2554, 0.2845



12.7136, 0.2992, 0.3305



29.5371, 0.2304, 0.3493



1.5278, 0.2292, 0.3450



# Inverse Universe

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



30.2574, 0.3952, 0.3227



43.0566, 0.4223, 0.3215



39.6503, 0.3863, 0.3693



11.2256, 0.3280, 0.3275



8.1043, 0.6321, 0.3256

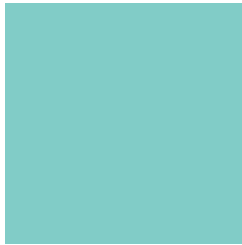


0.4224, 0.6063, 0.3114



# Previews

## White Background



This preview shows how the Yxy color 51.9764, 0.2645, 0.3357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

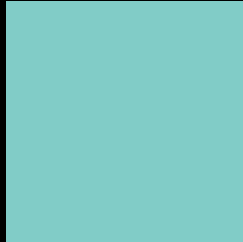
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9764, 0.2645, 0.3357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

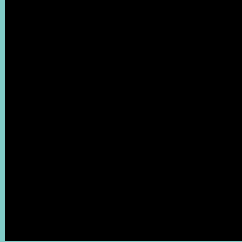
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

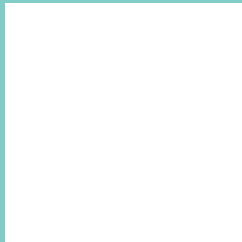
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.9764, 0.2645, 0.3357**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9764, 0.2645, 0.3357.

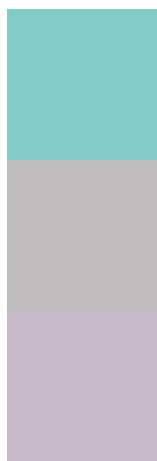


This preview shows how white text looks on a background with the Yxy color 51.9764, 0.2645, 0.3357.

# 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

51.9764, 0.2645, 0.3357

### Protanopia

51.4504, 0.3152, 0.3278

### Deuteranopia

51.1493, 0.3130, 0.3062



## Tritanopia

51.8514, 0.2567, 0.3078

# Trichromacy



## Original Color

51.9764, 0.2645, 0.3357

## Protanomaly

50.9799, 0.2947, 0.3302

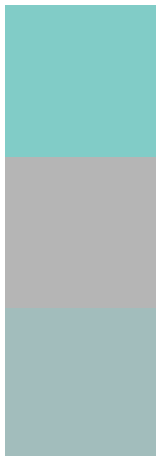
## Deuteranomaly

50.6398, 0.2921, 0.3150

## Tritanomaly

51.7997, 0.2596, 0.3182

# Monochromacy



## Original Color

51.9764, 0.2645, 0.3357

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.7074, 0.2920, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9764, 0.2645, 0.3357 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(129, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(129, 204, 199)  
}
```

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(129, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 204, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9764, 0.2645, 0.3357 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(129, 204, 199) }
```

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

```
.border{ border-color:rgb(129, 204, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 204, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 204, 199);  
box-shadow:4px 4px 4px 4px rgb(129, 204,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9764, 0.2645, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 204, 199) }
```

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

```
.background{ background-color: rgb(129,  
204, 199) }
```

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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