

# Converting Colors

$Y_{xy}(50.0691, 0.2600, 0.3254)$

Have a look what the booklet for  
Yxy(50.0691, 0.2600, 0.3254)  
contains.

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# Color

**Yxy(50.0560, 0.2597, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC8CB
RGB	126, 200, 203
RGB Percent	49%, 78%, 80%
CMY	0.5061, 0.2157, 0.2038
CMYK	0.38, 0.01, 0.00, 0.20
HSL	182°, 43%, 65%
HSV	182°, 38%, 80%
XYZ	40.0356, 50.0560, 64.0692
YIQ	178.2160, -45.0670, -14.7550

# Conversions

## Conversions Part 2

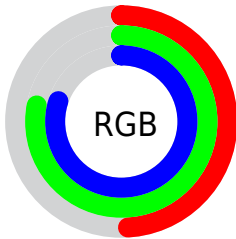
Format	Color
R <sub>Y</sub> B	126, 164, 203
Decimal	8308939
CIE Lab	76.10, -22.19, -8.80
CIE LCh	76, 23.872, 201.619
Yxy	50.0560, 0.2597, 0.3247
Android (android.graphics.Color)	4286499019 (0xFF7EC8CB)
YUV	178.2160, 12.2185, -45.7934
Hunter-Lab	70.7503, -22.8049, -4.1660

# Details

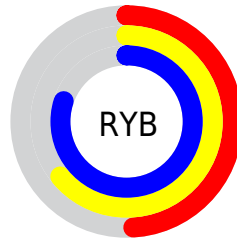
The Yxy color **50.0560, 0.2597, 0.3247** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.9006, 0.4039, 0.3332**, and the grayscale version is **44.5898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **24.0673, 0.2457, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **48.3009, 0.2488, 0.3234**, and if you desaturate by 10%, it is **52.1301, 0.2721, 0.3259**.

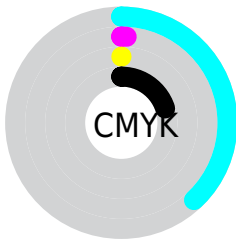
# Distribution



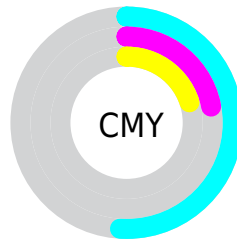
- Red (49%)
- Green (78%)
- Blue (80%)



- Red (49%)
- Yellow (64%)
- Blue (80%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)




- Cyan (51%)
- Magenta (22%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0560, 0.2597, 0.3247 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 50.0560, 0.2597, 0.3247 by changing the saturation by 10% instead.





 50.0560, 0.2597,  
0.3247


 50.0560, 0.2597,  
0.3247

386.8849, 0.2855,  
0.3273

 35.4579, 0.2535,  
0.3239


 90.2578, 0.2689,  
0.3258

 24.0158, 0.2457,  
0.3228


 116.6304, 0.2724,  
0.3261

 15.3453, 0.2355,  
0.3212


 147.6965, 0.2754,  
0.3264

 9.0621, 0.2218,  
0.3188

183.8406, 0.2779,  
0.3267

 4.7817, 0.2023,  
0.3147

225.4471, 0.2802,  
0.3269

 2.1198, 0.1727,  
0.3070

272.9004, 0.2822,

 0.6757, 0.0461,

0.3270

0.3099

326.5849, 0.2839,  
0.3272

0.0000, 0.0000,  
0.0000

50.0560, 0.2597,  
0.3247

50.0560, 0.2597,  
0.3247

48.3009, 0.2488,  
0.3234

52.1301, 0.2721,  
0.3259

46.8399, 0.2397,  
0.3221

54.5348, 0.2858,  
0.3271

45.6537, 0.2324,  
0.3208

57.2882, 0.3005,  
0.3282


44.7184, 0.2270,  
0.3195

60.4054, 0.3159,  
0.3292


44.0058, 0.2235,  
0.3182

63.9008, 0.3317,  
0.3301


 43.4747, 0.2216,  
0.3169

 67.7876, 0.3476,  
0.3309

 43.3752, 0.2213,  
0.3166

 69.5136, 0.3531,  
0.3317

 69.8967, 0.3530,  
0.3326

 70.2818, 0.3528,  
0.3334

# Harmonies

## Analogous

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



50.0560, 0.2814, 0.3559



50.0560, 0.2597, 0.3247



50.0560, 0.2517, 0.2968

# Triad

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



50.0560, 0.2597, 0.3247



50.0560, 0.3105, 0.2845



50.0560, 0.3685, 0.3777

# Complementary

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



50.0560, 0.2597, 0.3247



29.9006, 0.4039, 0.3332

# 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.



50.0560, 0.3778, 0.3561



50.0560, 0.2597, 0.3247



50.0560, 0.3433, 0.3037

# Square

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



50.0560, 0.2597, 0.3247



50.0560, 0.2798, 0.2757



50.0560, 0.3685, 0.3293



50.0560, 0.3442, 0.3873



# Rectangle

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



50.0560, 0.2597, 0.3247



50.0560, 0.2548, 0.2839



50.0560, 0.3685, 0.3293



50.0560, 0.3736, 0.3715

# Sweetspot

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



50.0580, 0.2597, 0.3247



94.3632, 0.2957, 0.3279



48.7306, 0.3058, 0.4396



20.0601, 0.2937, 0.3277



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.



50.0580, 0.2597, 0.3247



81.2190, 0.2502, 0.3236



34.5594, 0.2516, 0.2693



12.6487, 0.2984, 0.3280



27.6273, 0.2213, 0.3168



1.4492, 0.2220, 0.3193



# Inverse Universe

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



31.7818, 0.3201, 0.2392



46.2784, 0.3219, 0.2203



41.8661, 0.3850, 0.3817



11.3959, 0.3144, 0.3070



10.5920, 0.3309, 0.1596

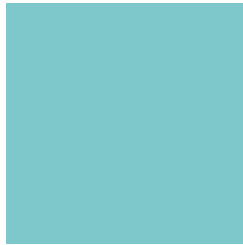


0.5488, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 50.0560, 0.2597, 0.3247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

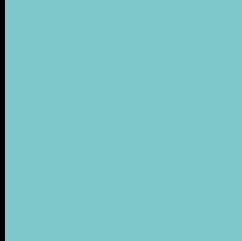
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0560, 0.2597, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

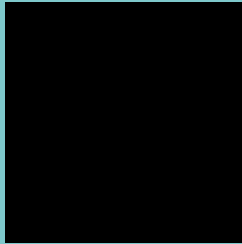
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

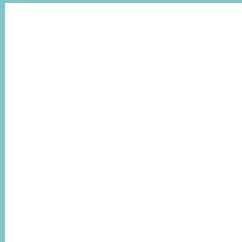
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.0560, 0.2597, 0.3247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0560, 0.2597, 0.3247.



This preview shows how white text looks on a background with the Yxy color 50.0560, 0.2597, 0.3247.

# 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

50.0560, 0.2597, 0.3247

### Protanopia

49.7042, 0.3082, 0.3189

### Deuteranopia

49.6967, 0.3050, 0.2987



## Tritanopia

49.9103, 0.2549, 0.3074

# Trichromacy



## Original Color

50.0560, 0.2597, 0.3247

## Protanomaly

49.2922, 0.2881, 0.3211

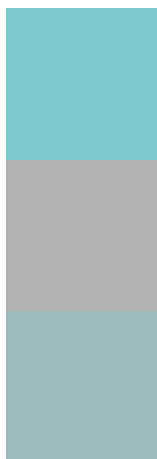
## Deuteranomaly

49.5094, 0.2863, 0.3072

## Tritanomaly

50.0892, 0.2567, 0.3140

# Monochromacy



## Original Color

50.0560, 0.2597, 0.3247

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

46.0766, 0.2903, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0560, 0.2597, 0.3247 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, 200, 203)` looks like.

```
.text, #text, p{  
    color:rgb(126, 200, 203)  
}
```

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, 200, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 200, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0560, 0.2597, 0.3247 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, 200, 203) }
```

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

```
.border{ border-color:rgb(126, 200, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 200, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 200, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 200, 203);  
box-shadow:4px 4px 4px 4px rgb(126, 200,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0560, 0.2597, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 200, 203) }
```

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

```
.background{ background-color: rgb(126,  
200, 203) }
```

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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