

# Converting Colors

$Yxy(44.1466, 0.2614, 0.3203)$

Have a look what the booklet for  
Yxy(44.1466, 0.2614, 0.3203)  
contains.

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# Color

**Yxy(44.1466, 0.2614, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CBCC2
RGB	124, 188, 194
RGB Percent	49%, 74%, 76%
CMY	0.5138, 0.2627, 0.2393
CMYK	0.36, 0.03, 0.00, 0.24
HSL	185°, 36%, 62%
HSV	185°, 36%, 76%
XYZ	36.0285, 44.1466, 57.6538
YIQ	169.5480, -40.0700, -11.7020

# Conversions

## Conversions Part 2

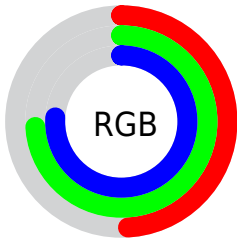
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 157, 194
Decimal	8174786
CIELab	72.33, -18.86, -9.52
CIElCh	72, 21.123, 206.776
Yxy	44.1466, 0.2614, 0.3203
Android (android.graphics.Color)	4286364866 (0xFF7CBCC2)
YUV	169.5480, 12.0548, -39.9456
Hunter-Lab	66.4429, -19.4840, -4.9371

# Details

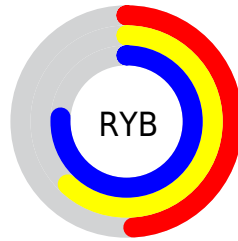
The Yxy color **44.1466, 0.2614, 0.3203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.8742, 0.3956, 0.3374**, and the grayscale version is **39.9133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1872, 0.2707, 0.3223**, and **20.5235, 0.2473, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **42.1391, 0.2498, 0.3175**, and if you desaturate by 10%, it is **46.4500, 0.2744, 0.3229**.

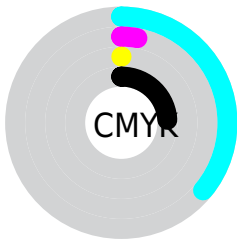
# Distribution



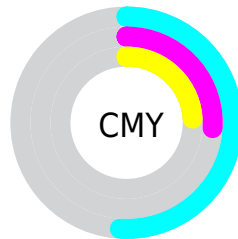
- Red (49%)
- Green (74%)
- Blue (76%)



- Red (49%)
- Yellow (62%)
- Blue (76%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)




- Cyan (51%)
- Magenta (26%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1466, 0.2614, 0.3203 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 44.1466, 0.2614, 0.3203 by changing the saturation by 10% instead.





 44.1466, 0.2614,  
0.3203


 44.1466, 0.2614,  
0.3203


363.3062, 0.2869,  
0.3252


 30.7858, 0.2551,  
0.3189


 81.4383, 0.2706,  
0.3222

 20.4358, 0.2471,  
0.3171


 106.1380, 0.2741,  
0.3229

 12.7122, 0.2365,  
0.3144


 135.3860, 0.2770,  
0.3234

 7.2307, 0.2220,  
0.3105

169.5669, 0.2795,  
0.3239

 3.6068, 0.2008,  
0.3039

209.0649, 0.2817,  
0.3243

 1.4561, 0.1674,  
0.2914

254.2646, 0.2837,

 0.2575, 0.0000,

0.3246

0.2140

305.5502, 0.2854,  
0.3249

0.0000, 0.0000,  
0.0000

44.1466, 0.2614,  
0.3203

44.1466, 0.2614,  
0.3203

42.1391, 0.2498,  
0.3175

46.4500, 0.2744,  
0.3229

40.4055, 0.2398,  
0.3147

49.0594, 0.2885,  
0.3254

38.9290, 0.2315,  
0.3118

51.9909, 0.3034,  
0.3277

37.6886, 0.2252,  
0.3088

55.2580, 0.3188,  
0.3298

36.6602, 0.2208,  
0.3059

58.8731, 0.3344,  
0.3317

■ 35.8129, 0.2180,  
0.3031

■ 62.8483, 0.3500,  
0.3334

■ 35.5070, 0.2172,  
0.3020

■ 66.2803, 0.3615,  
0.3350

■ 67.0498, 0.3611,  
0.3367

■ 67.8275, 0.3607,  
0.3384

# Harmonies

## Analogous

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



44.1466, 0.2797, 0.3491



44.1466, 0.2614, 0.3203



44.1466, 0.2563, 0.2959

# Triad

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



44.1466, 0.2614, 0.3203



44.1466, 0.3161, 0.2902



44.1466, 0.3613, 0.3766

# Complementary

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



44.1466, 0.2614, 0.3203



28.8742, 0.3956, 0.3374

# 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.



44.1466, 0.3724, 0.3582



44.1466, 0.2614, 0.3203



44.1466, 0.3457, 0.3094

# Square

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



44.1466, 0.2614, 0.3203



44.1466, 0.2868, 0.2802



44.1466, 0.3668, 0.3338



44.1466, 0.3371, 0.3827



# Rectangle

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



44.1466, 0.2614, 0.3203



44.1466, 0.2608, 0.2852



44.1466, 0.3668, 0.3338



44.1466, 0.3667, 0.3715

# Sweetspot

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



44.1483, 0.2614, 0.3203



91.4334, 0.2957, 0.3266



44.4680, 0.3038, 0.4274



19.8634, 0.2937, 0.3262



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.



44.1483, 0.2614, 0.3203



77.1865, 0.2524, 0.3182



31.0075, 0.2541, 0.2675



11.2766, 0.2984, 0.3270



23.4075, 0.2173, 0.3023



1.0554, 0.2191, 0.3087



# Inverse Universe

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



29.5072, 0.3230, 0.2474



47.1768, 0.3255, 0.2310



39.7659, 0.3789, 0.3834



10.2322, 0.3150, 0.3082



9.6452, 0.3434, 0.1665

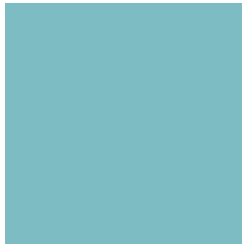


0.4212, 0.3378, 0.1635



# Previews

## White Background



This preview shows how the Yxy color 44.1466, 0.2614, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

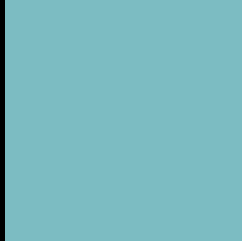
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1466, 0.2614, 0.3203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

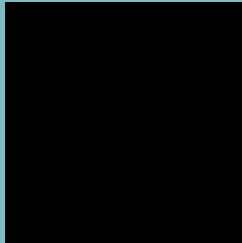
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

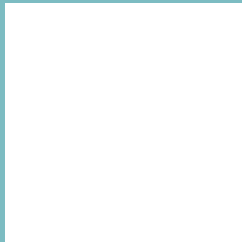
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.1466, 0.2614, 0.3203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1466, 0.2614, 0.3203.

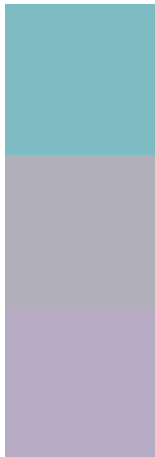


This preview shows how white text looks on a background with the Yxy color 44.1466, 0.2614, 0.3203.

# 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

44.1466, 0.2614, 0.3203

### Protanopia

43.9430, 0.3056, 0.3158

### Deuteranopia

43.7266, 0.3029, 0.2970



## Tritanopia

44.2405, 0.2577, 0.3078

# Trichromacy



**Original Color**

44.1466, 0.2614, 0.3203

**Protanomaly**

43.5857, 0.2877, 0.3166

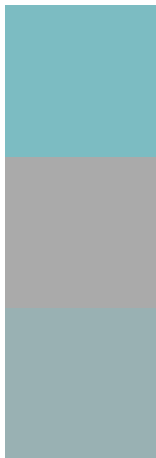
**Deuteranomaly**

43.5077, 0.2857, 0.3048

**Tritanomaly**

44.0241, 0.2588, 0.3119

# Monochromacy



**Original Color**

44.1466, 0.2614, 0.3203

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.4713, 0.2909, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1466, 0.2614, 0.3203 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(124, 188, 194)` looks like.

```
.text, #text, p{  
    color:rgb(124, 188, 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(124, 188, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 188, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1466, 0.2614, 0.3203 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(124, 188, 194) }
```

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

```
.border{ border-color:rgb(124, 188, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 188, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 188, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 188, 194);  
box-shadow:4px 4px 4px 4px rgb(124, 188,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1466, 0.2614, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 188, 194) }
```

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

```
.background{ background-color: rgb(124,  
188, 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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