

# Converting Colors

$Y_{xy}(48.7618, 0.2717, 0.3319)$

Have a look what the booklet for  
Yxy(48.7618, 0.2717, 0.3319)  
contains.

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# Color

**Yxy(48.7782, 0.2717, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC4C2
RGB	138, 196, 194
RGB Percent	54%, 77%, 76%
CMY	0.4586, 0.2314, 0.2392
CMYK	0.30, 0.00, 0.01, 0.23
HSL	178°, 33%, 66%
HSV	178°, 30%, 77%
XYZ	39.9669, 48.7782, 58.3544
YIQ	178.4300, -33.9260, -12.9180

# Conversions

## Conversions Part 2

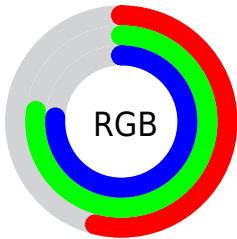
Format	Color
<a href="#">RYB</a>	<a href="#">138, 168, 196</a>
Decimal	<a href="#">9094338</a>
CIELab	<a href="#">75.31, -19.00, -5.02</a>
CIElCh	<a href="#">75, 19.652, 194.797</a>
Yxy	<a href="#">48.7782, 0.2717, 0.3316</a>
Android (android.graphics.Color)	<a href="#">4287284418 (0xFF8AC4C2)</a>
YUV	<a href="#">178.4300, 7.6760, -35.4571</a>
Hunter-Lab	<a href="#">69.8414, -20.0753, -0.6494</a>

# Details

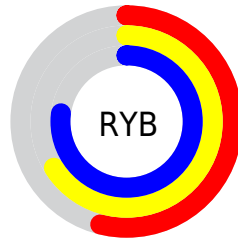
The Yxy color **48.7782, 0.2717, 0.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.8236, 0.3755, 0.3265**, and the grayscale version is **44.7400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4901, 0.2791, 0.3321**, and **23.1707, 0.2606, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **47.2256, 0.2601, 0.3326**, and if you desaturate by 10%, it is **50.6365, 0.2846, 0.3307**.

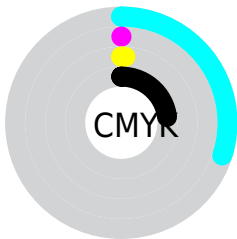
# Distribution



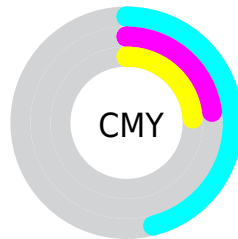
- Red (54%)
- Green (77%)
- Blue (76%)



- Red (54%)
- Yellow (66%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7782, 0.2717, 0.3316 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 48.7782, 0.2717, 0.3316 by changing the saturation by 10% instead.





 48.7782, 0.2717,  
0.3316


 48.7782, 0.2717,  
0.3316


381.8685, 0.2918,  
0.3306


 34.4436, 0.2668,  
0.3318


 88.3619, 0.2789,  
0.3313

 23.2346, 0.2605,  
0.3319


 114.3798, 0.2817,  
0.3312

 14.7668, 0.2523,  
0.3321


 145.0610, 0.2840,  
0.3310

 8.6559, 0.2411,  
0.3321

180.7897, 0.2860,  
0.3309

 4.5174, 0.2249,  
0.3319

221.9504, 0.2878,  
0.3308

 1.9670, 0.1993,  
0.3306

268.9275, 0.2893,

 0.5882, 0.0569,

0.3307

0.3512

322.1054, 0.2906,  
0.3307

0.0000, 0.0000,  
0.0000

48.7782, 0.2717,  
0.3316

48.7782, 0.2717,  
0.3316

47.2256, 0.2601,  
0.3326

50.6365, 0.2846,  
0.3307

45.9567, 0.2502,  
0.3337

52.8097, 0.2986,  
0.3298

44.9556, 0.2420,  
0.3348

55.3138, 0.3134,  
0.3290

44.2027, 0.2357,  
0.3359

58.1618, 0.3287,  
0.3282

43.6754, 0.2313,  
0.3370

61.3664, 0.3442,  
0.3276

■ 43.3473, 0.2288,  
0.3381

■ 64.8147, 0.3591,  
0.3270

■ 43.1700, 0.2276,  
0.3392

■ 64.8457, 0.3586,  
0.3263

■ 43.1631, 0.2276,  
0.3392

■ 64.8768, 0.3580,  
0.3256

■ 64.9080, 0.3575,  
0.3250

# Harmonies

## Analogous

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



48.7782, 0.2922, 0.3565



48.7782, 0.2717, 0.3316



48.7782, 0.2620, 0.3072

# Triad

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



48.7782, 0.2717, 0.3316



48.7782, 0.3048, 0.2891



48.7782, 0.3621, 0.3664

# Complementary

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



48.7782, 0.2717, 0.3316



31.8236, 0.3755, 0.3265

# 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.



48.7782, 0.3662, 0.3471



48.7782, 0.2717, 0.3316



48.7782, 0.3323, 0.3036

# Square

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



48.7782, 0.2717, 0.3316



48.7782, 0.2805, 0.2841



48.7782, 0.3551, 0.3244



48.7782, 0.3445, 0.3767



# Rectangle

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



48.7782, 0.2717, 0.3316



48.7782, 0.2627, 0.2948



48.7782, 0.3551, 0.3244



48.7782, 0.3652, 0.3607

# Sweetspot

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



48.7802, 0.2717, 0.3316



95.8538, 0.2992, 0.3297



46.9718, 0.3109, 0.4137



20.3834, 0.2971, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

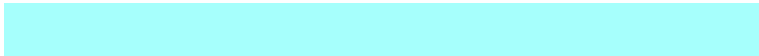


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.7802, 0.2717, 0.3316



86.6252, 0.2646, 0.3322



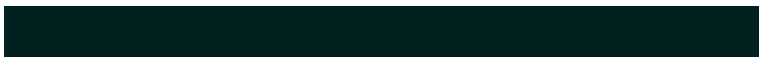
38.1141, 0.2664, 0.2917



11.4223, 0.2989, 0.3298



27.7396, 0.2275, 0.3391



1.2004, 0.2268, 0.3366



# Inverse Universe

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



31.8236, 0.3755, 0.3265



51.2986, 0.3939, 0.3260



40.1687, 0.3679, 0.3635



10.0833, 0.3284, 0.3283



7.5528, 0.6358, 0.3276

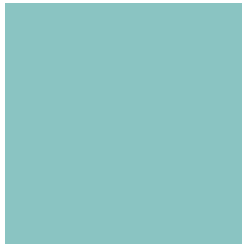


0.3283, 0.6204, 0.3191



# Previews

## White Background



This preview shows how the Yxy color 48.7782, 0.2717, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

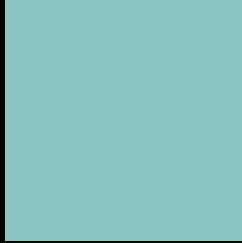
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7782, 0.2717, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

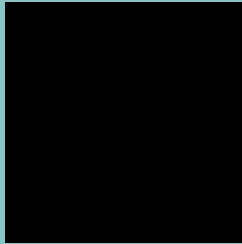
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

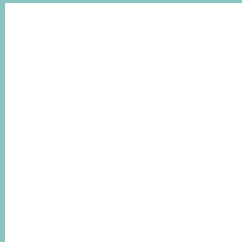
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7782, 0.2717, 0.3316**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7782, 0.2717, 0.3316.

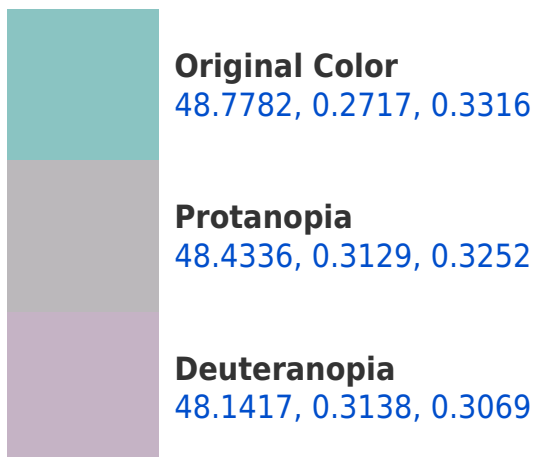


This preview shows how white text looks on a background with the Yxy color 48.7782, 0.2717, 0.3316.

# 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

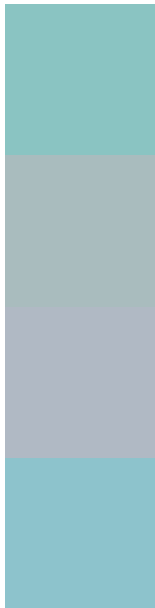




## Tritanopia

48.9378, 0.2648, 0.3089

# Trichromacy



## Original Color

48.7782, 0.2717, 0.3316

## Protanomaly

48.1192, 0.2959, 0.3263

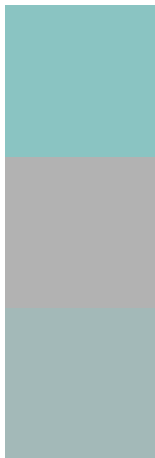
## Deuteranomaly

47.9136, 0.2971, 0.3148

## Tritanomaly

49.0526, 0.2673, 0.3167

# Monochromacy



## Original Color

48.7782, 0.2717, 0.3316

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.9451, 0.2955, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7782, 0.2717, 0.3316 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(138, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(138, 196, 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(138, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 196, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7782, 0.2717, 0.3316 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(138, 196, 194) }
```

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

```
.border{ border-color:rgb(138, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(138, 196,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7782, 0.2717, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 196, 194) }
```

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

```
.background{ background-color: rgb(138,  
196, 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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