

Converting Colors

$Yxy(48.9176, 0.2712, 0.3499)$

Have a look what the booklet for
Yxy(48.9176, 0.2712, 0.3499)
contains.

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Color

Yxy(48.8196, 0.2713, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	7FC7B8
RGB	127, 199, 184
RGB Percent	50%, 78%, 72%
CMY	0.5021, 0.2196, 0.2785
CMYK	0.36, 0.00, 0.08, 0.22
HSL	167°, 39%, 64%
HSV	167°, 36%, 78%
XYZ	37.8206, 48.8196, 52.7648
YIQ	175.7620, -38.0970, -19.9290

Conversions

Conversions Part 2

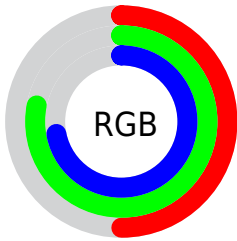
Format	Color
RYB	127, 167, 199
Decimal	8374200
CIELab	75.34, -25.94, 0.39
CIElCh	75, 25.944, 179.144
Yxy	48.8196, 0.2713, 0.3502
Android (android.graphics.Color)	4286564280 (0xFF7FC7B8)
YUV	175.7620, 4.0613, -42.7643
Hunter-Lab	69.8710, -25.6539, 4.1355

Details

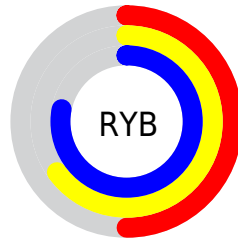
The Yxy color **48.8196, 0.2713, 0.3502** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2641, 0.3807, 0.3093**, and the grayscale version is **43.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7564, 0.2785, 0.3452**, and **23.3060, 0.2597, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **47.2705, 0.2623, 0.3571**, and if you desaturate by 10%, it is **50.6795, 0.2816, 0.3437**.

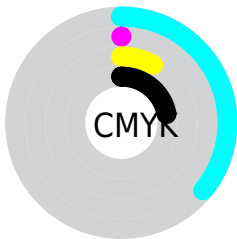
Distribution



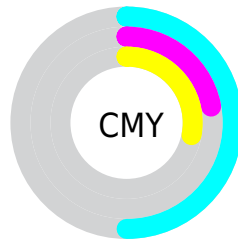
- Red (50%)
- Green (78%)
- Blue (72%)



- Red (50%)
- Yellow (65%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (50%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8196, 0.2713, 0.3502 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 48.8196, 0.2713, 0.3502 by changing the saturation by 10% instead.


 48.8196, 0.2713,
0.3502


 48.8196, 0.2713,
0.3502


382.0317, 0.2918,
0.3397

 34.4764, 0.2663,
0.3528


 88.4235, 0.2787,
0.3464

 23.2598, 0.2598,
0.3561


 114.4529, 0.2815,
0.3450

 14.7855, 0.2513,
0.3605


 145.1466, 0.2839,
0.3438

 8.6690, 0.2396,
0.3665

180.8888, 0.2859,
0.3427

 4.5259, 0.2225,
0.3754

222.0641, 0.2877,
0.3418

 1.9719, 0.1953,
0.3896


269.0567, 0.2892,


 0.5911, 0.0000,


0.3410


0.4895


322.2511, 0.2906,
0.3403


 0.0000, 0.0000,
0.0000

 48.8196, 0.2713,
0.3502


 48.8196, 0.2713,
0.3502


 47.2705, 0.2623,
0.3571

 50.6795, 0.2816,
0.3437


 46.0084, 0.2548,
0.3644

 52.8607, 0.2929,
0.3377

 45.0155, 0.2491,
0.3718


 55.3805, 0.3050,
0.3322


 44.2695, 0.2453,
0.3794

 58.2531, 0.3175,
0.3272


 43.7444, 0.2435,
0.3871


 61.4921, 0.3302,
0.3227

 43.4072, 0.2435,
0.3947

 65.1100, 0.3429,
0.3187

 43.3042, 0.2438,
0.3975

 66.9195, 0.3466,
0.3147

 67.1332, 0.3433,
0.3105

 67.3522, 0.3401,
0.3064

Harmonies

Analogous

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



48.8196, 0.3031, 0.3797



48.8196, 0.2713, 0.3502



48.8196, 0.2511, 0.3156

Triad

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



48.8196, 0.2713, 0.3502



48.8196, 0.2844, 0.2721



48.8196, 0.3834, 0.3651

Complementary

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



48.8196, 0.2713, 0.3502



29.2641, 0.3807, 0.3093

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.



48.8196, 0.3783, 0.3365



48.8196, 0.2713, 0.3502



48.8196, 0.3194, 0.2849

Square

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



48.8196, 0.2713, 0.3502



48.8196, 0.2584, 0.2726



48.8196, 0.3544, 0.3079



48.8196, 0.3684, 0.3864

Rectangle

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



48.8196, 0.2713, 0.3502



48.8196, 0.2463, 0.2957



48.8196, 0.3544, 0.3079



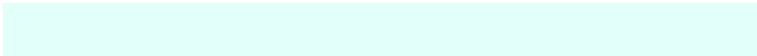
48.8196, 0.3840, 0.3560

Sweetspot

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



48.8216, 0.2713, 0.3502



94.6915, 0.2990, 0.3348



48.1855, 0.3194, 0.4334



20.1392, 0.2973, 0.3356



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.



48.8216, 0.2713, 0.3502



83.4047, 0.2645, 0.3553



40.7118, 0.2583, 0.2997



12.0282, 0.3011, 0.3339



27.8544, 0.2435, 0.3965



1.3287, 0.2391, 0.3807

Inverse Universe

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



29.2641, 0.3807, 0.3093



44.4536, 0.4018, 0.3053



34.6586, 0.3893, 0.3562



10.6725, 0.3257, 0.3242



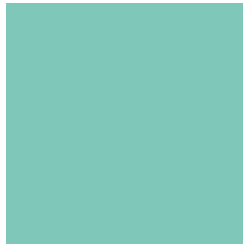
7.9235, 0.6031, 0.3096



0.3860, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 48.8196, 0.2713, 0.3502 looks on a white background.

Color Contrast Check

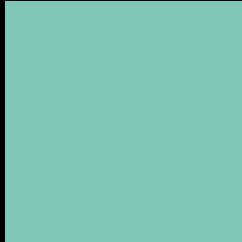
Large Text (above 18pt) WCAG AA × Fail

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 48.8196, 0.2713, 0.3502 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

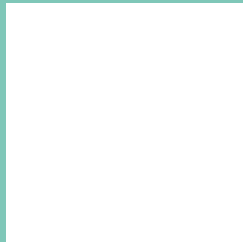
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8196, 0.2713, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 48.8196, 0.2713, 0.3502.

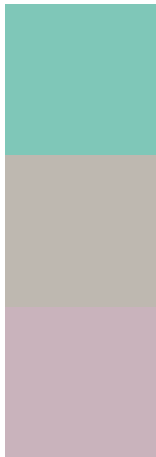


This preview shows how white text looks on a background with the Yxy color 48.8196, 0.2713, 0.3502.

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

48.8196, 0.2713, 0.3502

Protanopia

48.3627, 0.3242, 0.3393

Deuteranopia

48.2885, 0.3245, 0.3180



Tritanopia

48.7199, 0.2583, 0.3073

Trichromacy



Original Color

48.8196, 0.2713, 0.3502

Protanomaly

47.8654, 0.3024, 0.3424

Deuteranomaly

47.7043, 0.3021, 0.3277

Tritanomaly

48.5222, 0.2631, 0.3220

Monochromacy



Original Color

48.8196, 0.2713, 0.3502

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8048, 0.2952, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8196, 0.2713, 0.3502 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(127, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(127, 199, 184)  
}
```

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(127, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 199, 184) }
```

Border

The CSS property to change the border of an element to Yxy 48.8196, 0.2713, 0.3502 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(127, 199, 184) }
```

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

```
.border{ border-color:rgb(127, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 199, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 199, 184); box-shadow:4px 4px 4px 4px rgb(127, 199, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8196, 0.2713, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 199, 184) }
```

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

```
.background{ background-color: rgb(127,  
199, 184) }
```

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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