

Converting Colors

$Yxy(48.6619, 0.2874, 0.4068)$

Have a look what the booklet for
Yxy(48.6619, 0.2874, 0.4068)
contains.

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Color

Yxy(48.8358, 0.2878, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	77CB96
RGB	119, 203, 150
RGB Percent	47%, 80%, 59%
CMY	0.5334, 0.2039, 0.4119
CMYK	0.41, 0.00, 0.26, 0.20
HSL	142°, 45%, 63%
HSV	142°, 41%, 80%
XYZ	34.4653, 48.8358, 36.4532
YIQ	171.8420, -33.0510, -34.2910

Conversions

Conversions Part 2

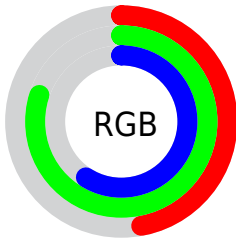
Format	Color
RYB	119, 180, 203
Decimal	7850902
CIELab	75.35, -37.20, 18.62
CIElCh	75, 41.600, 153.404
Yxy	48.8358, 0.2878, 0.4078
Android (android.graphics.Color)	4286040982 (0xFF77CB96)
YUV	171.8420, -10.7681, -46.3424
Hunter-Lab	69.8826, -34.2605, 17.9901

Details

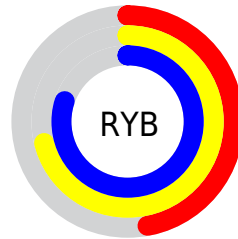
The Yxy color **48.8358, 0.2878, 0.4078** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.8667, 0.3512, 0.2622**, and the grayscale version is **41.2370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8783, 0.2926, 0.3874**, and **23.1707, 0.2790, 0.4322** is the 20% darker color. If you saturate the color by 10%, you get **47.1614, 0.2834, 0.4313**, and if you desaturate by 10%, it is **50.8661, 0.2931, 0.3858**.

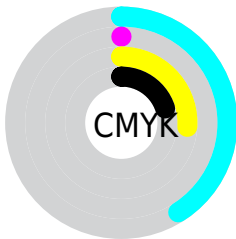
Distribution



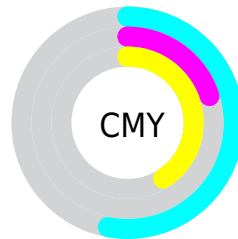
- Red (47%)
- Green (80%)
- Blue (59%)



- Red (47%)
- Yellow (71%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8358, 0.2878, 0.4078 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 48.8358, 0.2878, 0.4078 by changing the saturation by 10% instead.


 48.8358, 0.2878,
0.4078


 48.8358, 0.2878,
0.4078

382.0955, 0.3011,
0.3667


 34.4892, 0.2842,
0.4186


 88.4475, 0.2929,
0.3925

 23.2697, 0.2794,
0.4327


 114.4815, 0.2947,
0.3869

 14.7928, 0.2726,
0.4520

 145.1801, 0.2962,
0.3821

 8.6741, 0.2627,
0.4800

180.9276, 0.2975,
0.3781

 4.5292, 0.2466,
0.5236

222.1085, 0.2986,
0.3747

 1.9738, 0.2190,
0.6113

269.1072, 0.2996,

 0.5922, 0.0000,

0.3717

1.0000

322.3081, 0.3004,
0.3691

0.0000, 0.0000,
0.0000

48.8358, 0.2878,
0.4078

48.8358, 0.2878,
0.4078

47.1614, 0.2834,
0.4313

50.8661, 0.2931,
0.3858

45.8158, 0.2804,
0.4557

53.2656, 0.2991,
0.3656

44.7773, 0.2789,
0.4802


56.0542, 0.3054,
0.3474

44.0193, 0.2792,
0.5039

59.2487, 0.3118,
0.3311

43.5099, 0.2813,
0.5259


62.8648, 0.3182,
0.3167

 43.2221, 0.2841,
0.5428

 66.9174, 0.3245,
0.3041

 70.2472, 0.3260,
0.2925

 71.0344, 0.3169,
0.2805

 71.1957, 0.3151,
0.2782

Harmonies

Analogous

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



48.8358, 0.3438, 0.4329



48.8358, 0.2878, 0.4078



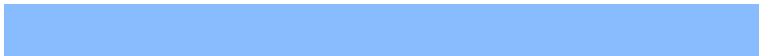
48.8358, 0.2412, 0.3545

Triad

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



48.8358, 0.2878, 0.4078



48.8358, 0.2325, 0.2401



48.8358, 0.4217, 0.3443

Complementary

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



48.8358, 0.2878, 0.4078



28.8667, 0.3512, 0.2622

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.



48.8358, 0.3865, 0.3010



48.8358, 0.2878, 0.4078



48.8358, 0.2743, 0.2436

Square

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



48.8358, 0.2878, 0.4078



48.8358, 0.2119, 0.2578



48.8358, 0.3306, 0.2653



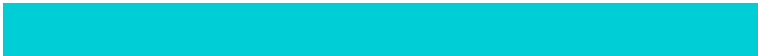
48.8358, 0.4237, 0.3880

Rectangle

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



48.8358, 0.2878, 0.4078



48.8358, 0.2209, 0.3156



48.8358, 0.3306, 0.2653



48.8358, 0.4133, 0.3294

Sweetspot

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



48.8378, 0.2878, 0.4078



93.4692, 0.3049, 0.3487



52.8405, 0.3478, 0.4402



19.8672, 0.3040, 0.3510



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.



48.8378, 0.2878, 0.4078



79.1472, 0.2837, 0.4295



50.4337, 0.2628, 0.3446



12.6043, 0.3066, 0.3440



27.5200, 0.2834, 0.5402



1.4343, 0.2721, 0.4997

Inverse Universe

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



28.8667, 0.3512, 0.2622



41.1209, 0.3635, 0.2480



27.5043, 0.4035, 0.3147



11.3308, 0.3193, 0.3145



9.0920, 0.4402, 0.2199



0.4834, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 48.8358, 0.2878, 0.4078 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 48.8358, 0.2878, 0.4078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

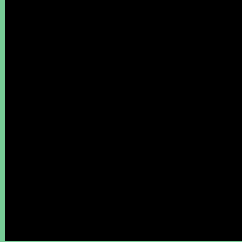
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8358, 0.2878, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 48.8358, 0.2878, 0.4078.

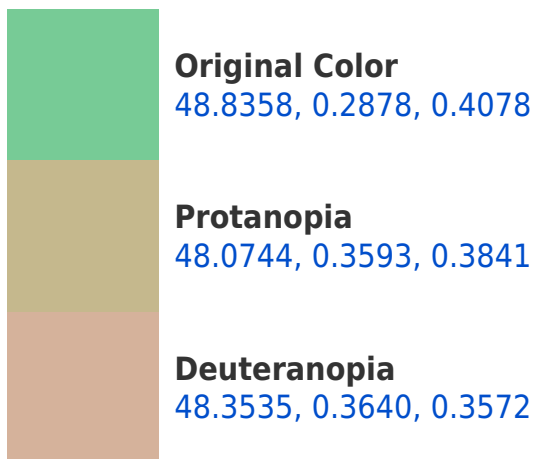


This preview shows how white text looks on a background with the Yxy color 48.8358, 0.2878, 0.4078.

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

48.7199, 0.2583, 0.3073

Trichromacy



Original Color

48.8358, 0.2878, 0.4078



Protanomaly

47.7102, 0.3302, 0.3936



Deuteranomaly

47.4243, 0.3326, 0.3746



Tritanomaly

48.6515, 0.2687, 0.3415

Monochromacy



Original Color

48.8358, 0.2878, 0.4078



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.3196, 0.3023, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8358, 0.2878, 0.4078 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(119, 203, 150)` looks like.

```
.text, #text, p{  
    color:rgb(119, 203, 150)  
}
```

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(119, 203, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 203, 150) }
```

Border

The CSS property to change the border of an element to Yxy 48.8358, 0.2878, 0.4078 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(119, 203, 150) }
```

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

```
.border{ border-color:rgb(119, 203, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 203, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 203, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 203, 150);  
box-shadow:4px 4px 4px 4px rgb(119, 203,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8358, 0.2878, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 203, 150) }
```

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

```
.background{ background-color: rgb(119,  
203, 150) }
```

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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