

Converting Colors

$Y_{xy}(48.0833, 0.2509, 0.3553)$

Have a look what the booklet for
Yxy(48.0833, 0.2509, 0.3553)
contains.

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Color

Yxy(48.2409, 0.2509, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	57CBB9
RGB	87, 203, 185
RGB Percent	34%, 80%, 73%
CMY	0.6586, 0.2039, 0.2745
CMYK	0.57, 0.00, 0.09, 0.20
HSL	171°, 53%, 57%
HSV	171°, 57%, 80%
XYZ	34.0468, 48.2409, 53.4110
YIQ	166.2640, -63.3580, -30.1900

Conversions

Conversions Part 2

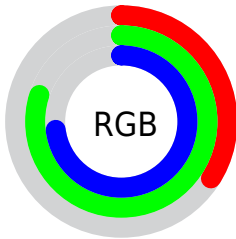
Format	Color
RYB	87, 150, 203
Decimal	5753785
CIELab	74.98, -37.04, -0.88
CIElCh	75, 37.052, 181.355
Yxy	48.2409, 0.2509, 0.3555
Android (android.graphics.Color)	4283943865 (0xFF57CBB9)
YUV	166.2640, 9.2368, -69.5145
Hunter-Lab	69.4557, -34.0476, 3.0253

Details

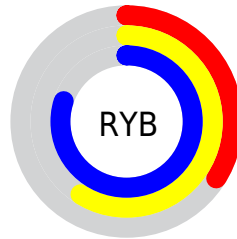
The Yxy color **48.2409, 0.2509, 0.3555** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.5445, 0.4575, 0.3072**, and the grayscale version is **38.2535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9819, 0.2607, 0.3448**, and **22.8458, 0.2340, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **47.2667, 0.2450, 0.3610**, and if you desaturate by 10%, it is **49.4965, 0.2586, 0.3502**.

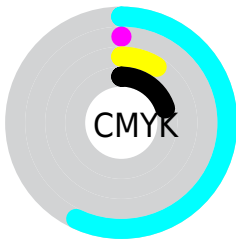
Distribution



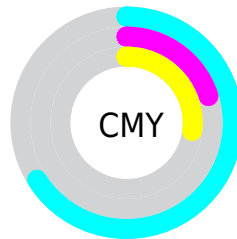
- Red (34%)
- Green (80%)
- Blue (73%)



- Red (34%)
- Yellow (59%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)





- Cyan (66%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2409, 0.2509, 0.3555 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 48.2409, 0.2509, 0.3555 by changing the saturation by 10% instead.


 48.2409, 0.2509,
0.3555

 48.2409, 0.2509,
0.3555


379.7462, 0.2814,
0.3425


 34.0177, 0.2435,
0.3586


 87.5630, 0.2619,
0.3509

 22.9072, 0.2340,
0.3626


 113.4306, 0.2660,
0.3491

 14.5250, 0.2216,
0.3678


 143.9486, 0.2695,
0.3476

 8.4867, 0.2047,
0.3748

 179.5012, 0.2725,
0.3463

 4.4079, 0.1805,
0.3848

220.4728, 0.2752,
0.3452

 1.9043, 0.1413,
0.4006

267.2480, 0.2775,

 0.5509, 0.0000,

0.3442

0.4545

320.2110, 0.2795,
0.3433

■ 0.0000, 0.0000,
0.0000

■ 48.2409, 0.2509,
0.3555

■ 48.2409, 0.2509,
0.3555

■ 47.2667, 0.2450,
0.3610

■ 49.4965, 0.2586,
0.3502

■ 46.5447, 0.2410,
0.3665

■ 51.0489, 0.2680,
0.3451

■ 46.0489, 0.2389,
0.3720

■ 52.9189, 0.2788,
0.3403

■ 45.7420, 0.2386,
0.3775

■ 55.1237, 0.2906,
0.3358

■ 45.6692, 0.2386,
0.3790

■ 57.6797, 0.3033,
0.3317

■ 60.6017, 0.3166,
0.3280

■ 63.9039, 0.3301,
0.3246

■ 67.5998, 0.3437,
0.3216

■ 68.7937, 0.3456,
0.3185

Harmonies

Analogous

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



48.2409, 0.2941, 0.4012



48.2409, 0.2509, 0.3555



48.2409, 0.2251, 0.3049

Triad

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



48.2409, 0.2509, 0.3555



48.2409, 0.2753, 0.2508



48.2409, 0.4131, 0.3805

Complementary

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



48.2409, 0.2509, 0.3555



20.5445, 0.4575, 0.3072

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.



48.2409, 0.4088, 0.3408



48.2409, 0.2509, 0.3555



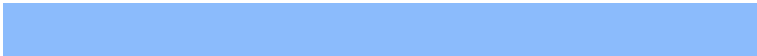
48.2409, 0.3254, 0.2696

Square

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



48.2409, 0.2509, 0.3555



48.2409, 0.2384, 0.2492



48.2409, 0.3757, 0.3015



48.2409, 0.3886, 0.4116

Rectangle

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



48.2409, 0.2509, 0.3555



48.2409, 0.2199, 0.2777



48.2409, 0.3757, 0.3015



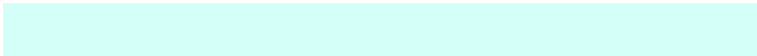
48.2409, 0.4151, 0.3677

Sweetspot

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



48.2428, 0.2509, 0.3555



92.2590, 0.2905, 0.3359



46.4881, 0.3159, 0.5052



19.5766, 0.2880, 0.3368



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.



48.2428, 0.2509, 0.3555



78.7677, 0.2437, 0.3625



33.0188, 0.2291, 0.2696



12.6959, 0.3004, 0.3326



29.0753, 0.2384, 0.3783



1.5082, 0.2354, 0.3676

Inverse Universe

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



20.5445, 0.4575, 0.3072



27.9076, 0.5114, 0.3059



28.2329, 0.4521, 0.3779



11.2416, 0.3266, 0.3254



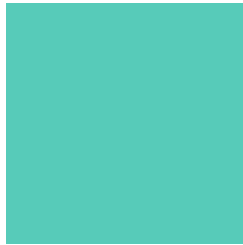
8.1534, 0.6167, 0.3171



0.4299, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 48.2409, 0.2509, 0.3555 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 48.2409, 0.2509, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

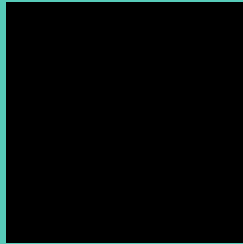
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

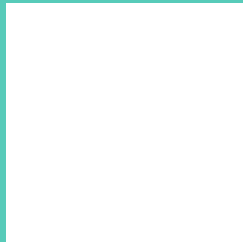
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2409, 0.2509, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 48.2409, 0.2509, 0.3555.

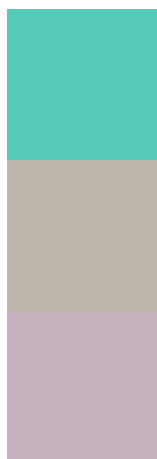


This preview shows how white text looks on a background with the Yxy color 48.2409, 0.2509, 0.3555.

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

48.2409, 0.2509, 0.3555

Protanopia

47.7418, 0.3251, 0.3406

Deuteranopia

47.5643, 0.3204, 0.3141



Tritanopia

48.3498, 0.2392, 0.3066

Trichromacy



Original Color

48.2409, 0.2509, 0.3555

Protanomaly

46.7167, 0.2915, 0.3456

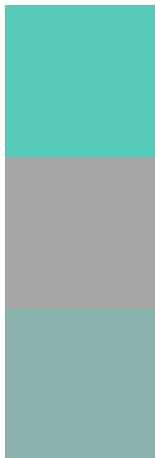
Deuteranomaly

46.4406, 0.2888, 0.3276

Tritanomaly

48.0479, 0.2432, 0.3231

Monochromacy



Original Color

48.2409, 0.2509, 0.3555

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.5757, 0.2829, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2409, 0.2509, 0.3555 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(87, 203, 185)` looks like.

```
.text, #text, p{  
    color:rgb(87, 203, 185)  
}
```

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(87, 203, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 203, 185) }
```

Border

The CSS property to change the border of an element to Yxy 48.2409, 0.2509, 0.3555 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(87, 203, 185) }
```

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

```
.border{ border-color:rgb(87, 203, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 203, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 203, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 203, 185); box-shadow:4px 4px 4px 4px rgb(87, 203, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2409, 0.2509, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 203, 185) }
```

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

```
.background{ background-color: rgb(87, 203,  
185) }
```

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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