

Converting Colors

$Y_{xy}(50.1010, 0.2614, 0.3893)$

Have a look what the booklet for
Yxy(50.1010, 0.2614, 0.3893)
contains.

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Color

Yxy(49.9651, 0.2612, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	57D0A8
RGB	87, 208, 168
RGB Percent	34%, 82%, 66%
CMY	0.6591, 0.1843, 0.3411
CMYK	0.58, 0.00, 0.19, 0.18
HSL	160°, 56%, 58%
HSV	160°, 58%, 82%
XYZ	33.5498, 49.9651, 44.9301
YIQ	167.2610, -59.2760, -38.0920

Conversions

Conversions Part 2

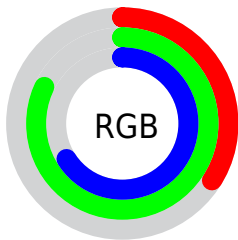
Format	Color
RYB	87, 159, 208
Decimal	5755048
CIELab	76.05, -43.40, 9.81
CIELCh	76, 44.489, 167.268
Yxy	49.9651, 0.2612, 0.3890
Android (android.graphics.Color)	4283945128 (0xFF57D0A8)
YUV	167.2610, 0.3643, -70.3889
Hunter-Lab	70.6860, -38.9787, 11.7938

Details

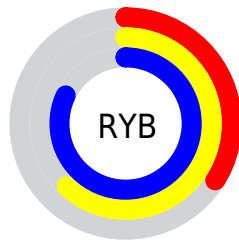
The Yxy color **49.9651, 0.2612, 0.3890** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.7452, 0.4290, 0.2806**, and the grayscale version is **38.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9587, 0.2690, 0.3663**, and **24.0434, 0.2466, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **48.8577, 0.2569, 0.4015**, and if you desaturate by 10%, it is **51.3783, 0.2673, 0.3769**.

Distribution



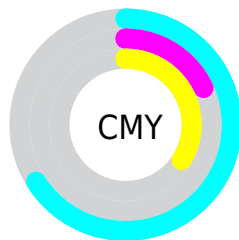
- Red (34%)
- Green (82%)
- Blue (66%)



- Red (34%)
- Yellow (62%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9651, 0.2612, 0.3890 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 49.9651, 0.2612, 0.3890 by changing the saturation by 10% instead.


 49.9651, 0.2612,
0.3890

 49.9651, 0.2612,
0.3890


386.5294, 0.2871,
0.3583

 35.3857, 0.2547,
0.3969


 90.1232, 0.2706,
0.3777


 23.9601, 0.2464,
0.4072


 116.4706, 0.2742,
0.3735

 15.3040, 0.2353,
0.4211


 147.5095, 0.2771,
0.3699

 9.0330, 0.2199,
0.4409

 183.6242, 0.2797,
0.3669

 4.7627, 0.1970,
0.4712

225.1992, 0.2819,
0.3643

 2.1087, 0.1567,
0.5251

272.6188, 0.2839,

 0.6695, 0.0000,

0.3620

0.9390

326.2674, 0.2856,
0.3600

0.0000, 0.0000,
0.0000

49.9651, 0.2612,
0.3890

49.9651, 0.2612,
0.3890

48.8577, 0.2569,
0.4015

51.3783, 0.2673,
0.3769

48.0243, 0.2545,
0.4142

53.1141, 0.2749,
0.3654

47.4368, 0.2542,
0.4269

55.1949, 0.2838,
0.3547

47.0501, 0.2557,
0.4394

57.6396, 0.2935,
0.3448

46.9899, 0.2560,
0.4416

60.4654, 0.3039,
0.3358

■ 63.6887, 0.3147,
0.3276

■ 67.3247, 0.3255,
0.3203

■ 71.3880, 0.3364,
0.3139

■ 72.0814, 0.3326,
0.3071

Harmonies

Analogous

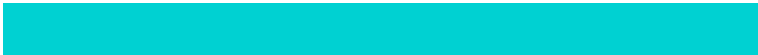
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9651, 0.3176, 0.4324



49.9651, 0.2612, 0.3890



49.9651, 0.2211, 0.3267

Triad

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



49.9651, 0.2612, 0.3890



49.9651, 0.2458, 0.2344



49.9651, 0.4339, 0.3664

Complementary

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



49.9651, 0.2612, 0.3890



21.7452, 0.4290, 0.2806

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.



49.9651, 0.4122, 0.3196



49.9651, 0.2612, 0.3890



49.9651, 0.2982, 0.2475

Square

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



49.9651, 0.2612, 0.3890



49.9651, 0.2135, 0.2421



49.9651, 0.3604, 0.2777



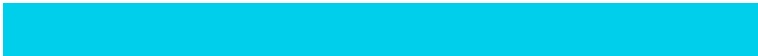
49.9651, 0.4191, 0.4098

Rectangle

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



49.9651, 0.2612, 0.3890



49.9651, 0.2075, 0.2889



49.9651, 0.3604, 0.2777



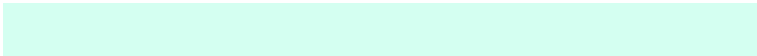
49.9651, 0.4308, 0.3507

Sweetspot

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



49.9671, 0.2612, 0.3890



91.7970, 0.2946, 0.3438



50.3375, 0.3294, 0.5015



19.4668, 0.2925, 0.3458



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.



49.9671, 0.2612, 0.3890



77.0647, 0.2561, 0.4048



42.4704, 0.2344, 0.2994



13.3379, 0.3026, 0.3368



29.3020, 0.2555, 0.4398



1.6527, 0.2492, 0.4169

Inverse Universe

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



21.7452, 0.4290, 0.2806



28.2601, 0.4708, 0.2756



24.6352, 0.4738, 0.3537



11.8717, 0.3239, 0.3213



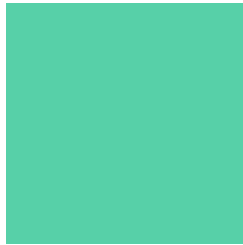
8.6393, 0.5635, 0.2878



0.4976, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 49.9651, 0.2612, 0.3890 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 49.9651, 0.2612, 0.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

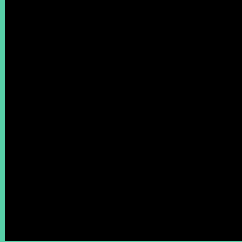
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

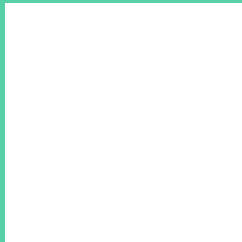
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9651, 0.2612, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 49.9651, 0.2612, 0.3890.

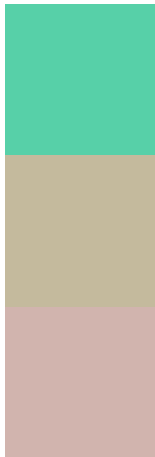


This preview shows how white text looks on a background with the Yxy color 49.9651, 0.2612, 0.3890.

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

49.9651, 0.2612, 0.3890

Protanopia

49.2879, 0.3446, 0.3660

Deuteranopia

49.2538, 0.3432, 0.3364



Tritanopia

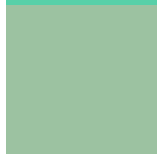
49.7783, 0.2410, 0.3056

Trichromacy



Original Color

49.9651, 0.2612, 0.3890



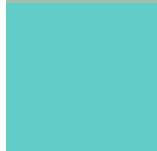
Protanomaly

48.2247, 0.3066, 0.3750



Deuteranomaly

47.8048, 0.3059, 0.3534



Tritanomaly

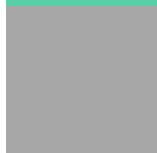
49.9525, 0.2481, 0.3345

Monochromacy



Original Color

49.9651, 0.2612, 0.3890



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.6492, 0.2882, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9651, 0.2612, 0.3890 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, 208, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 168)  
}
```

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, 208, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 168) }
```

Border

The CSS property to change the border of an element to Yxy 49.9651, 0.2612, 0.3890 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, 208, 168) }
```

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

```
.border{ border-color:rgb(87, 208, 168) }
```

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

Here you see how a box with a 4 pixel rgb(87, 208, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9651, 0.2612, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 168) }
```

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

```
.background{ background-color: rgb(87, 208,  
168) }
```

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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