

Converting Colors

$Yxy(50.4477, 0.2490, 0.3692)$

Have a look what the booklet for
Yxy(50.4477, 0.2490, 0.3692)
contains.

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Color

Yxy(50.3948, 0.2489, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	49D1B6
RGB	73, 209, 182
RGB Percent	29%, 82%, 71%
CMY	0.7136, 0.1804, 0.2863
CMYK	0.65, 0.00, 0.13, 0.18
HSL	168°, 60%, 55%
HSV	168°, 65%, 82%
XYZ	33.9926, 50.3948, 52.1839
YIQ	165.2580, -72.3890, -37.2290

Conversions

Conversions Part 2

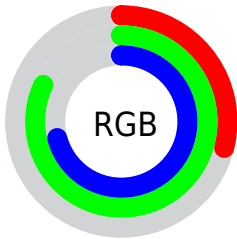
Format	Color
RYB	73, 148, 209
Decimal	4837814
CIELab	76.31, -42.98, 2.64
CIELCh	76, 43.063, 176.483
Yxy	50.3948, 0.2489, 0.3690
Android (android.graphics.Color)	4283027894 (0xFF49D1B6)
YUV	165.2580, 8.2538, -80.9103
Hunter-Lab	70.9893, -38.7581, 6.1087

Details

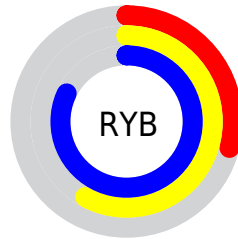
The Yxy color **50.3948, 0.2489, 0.3690** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **19.2476, 0.4812, 0.2989**, and the grayscale version is **37.7487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9273, 0.2578, 0.3485**, and **24.6962, 0.2390, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **49.5433, 0.2449, 0.3762**, and if you desaturate by 10%, it is **51.5296, 0.2549, 0.3619**.

Distribution



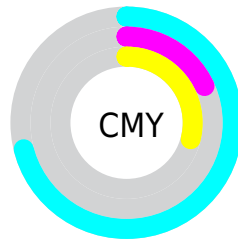
- Red (29%)
- Green (82%)
- Blue (71%)



- Red (29%)
- Yellow (58%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)





- Cyan (71%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3948, 0.2489, 0.3690 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 50.3948, 0.2489, 0.3690 by changing the saturation by 10% instead.


 50.3948, 0.2489,
0.3690


 50.3948, 0.2489,
0.3690


388.2078, 0.2803,
0.3491


 35.7272, 0.2413,
0.3739


 90.7596, 0.2602,
0.3618


 24.2236, 0.2316,
0.3802


 117.2255, 0.2644,
0.3591

 15.4996, 0.2189,
0.3885


 148.3930, 0.2681,
0.3568

 9.1707, 0.2016,
0.4000

 184.6465, 0.2712,
0.3548

 4.8527, 0.1769,
0.4168

226.3703, 0.2739,
0.3531

 2.1611, 0.1372,
0.4445

273.9489, 0.2763,

 0.6987, 0.0000,

0.3516

0.5481

327.7666, 0.2784,
0.3503

■ 0.0000, 0.0000,
0.0000

■ 50.3948, 0.2489,
0.3690

■ 50.3948, 0.2489,
0.3690

■ 49.5433, 0.2449,
0.3762

■ 51.5296, 0.2549,
0.3619

■ 48.9404, 0.2428,
0.3835

■ 52.9665, 0.2626,
0.3550

■ 48.5529, 0.2425,
0.3907

■ 54.7296, 0.2719,
0.3485

■ 48.4093, 0.2429,
0.3942

■ 56.8390, 0.2825,
0.3424

■ 59.3128, 0.2941,
0.3367

■ 62.1683, 0.3063,
0.3314

■ 65.4213, 0.3190,
0.3267

■ 69.0869, 0.3320,
0.3225

■ 71.9953, 0.3402,
0.3186

Harmonies

Analogous

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



50.3948, 0.3000, 0.4191



50.3948, 0.2489, 0.3690



50.3948, 0.2166, 0.3094

Triad

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



50.3948, 0.2489, 0.3690



50.3948, 0.2618, 0.2391



50.3948, 0.4290, 0.3792

Complementary

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



50.3948, 0.2489, 0.3690



19.2476, 0.4812, 0.2989

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.



50.3948, 0.4188, 0.3339



50.3948, 0.2489, 0.3690



50.3948, 0.3170, 0.2574

Square

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



50.3948, 0.2489, 0.3690



50.3948, 0.2238, 0.2403



50.3948, 0.3762, 0.2910



50.3948, 0.4052, 0.4179

Rectangle

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



50.3948, 0.2489, 0.3690



50.3948, 0.2083, 0.2765



50.3948, 0.3762, 0.2910



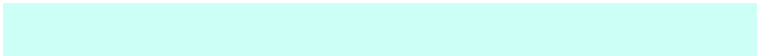
50.3948, 0.4296, 0.3643

Sweetspot

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



50.3968, 0.2489, 0.3690



90.9418, 0.2880, 0.3395



48.8061, 0.3174, 0.5289



19.2349, 0.2847, 0.3412



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.



50.3968, 0.2489, 0.3690



77.2946, 0.2438, 0.3790



34.1061, 0.2214, 0.2668



13.3651, 0.3009, 0.3337



29.8615, 0.2426, 0.3932



1.6802, 0.2389, 0.3800

Inverse Universe

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



19.2476, 0.4812, 0.2989



24.9356, 0.5384, 0.3000



26.0337, 0.4848, 0.3767



11.8461, 0.3260, 0.3244



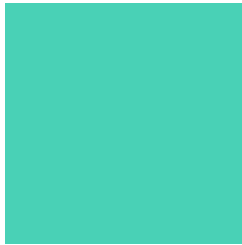
8.4701, 0.6064, 0.3114



0.4851, 0.5553, 0.2833

Previews

White Background



This preview shows how the Yxy color 50.3948, 0.2489, 0.3690 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 50.3948, 0.2489, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

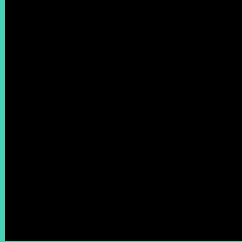
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

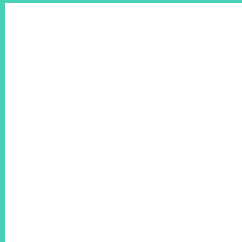
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3948, 0.2489, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 50.3948, 0.2489, 0.3690.



This preview shows how white text looks on a background with the Yxy color 50.3948, 0.2489, 0.3690.

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

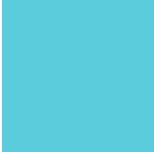
50.3948, 0.2489, 0.3690

Protanopia

49.4894, 0.3322, 0.3494

Deuteranopia

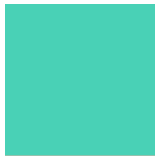
49.5160, 0.3269, 0.3205



Tritanopia

50.5267, 0.2352, 0.3068

Trichromacy



Original Color

50.3948, 0.2489, 0.3690



Protanomaly

48.1236, 0.2929, 0.3568



Deuteranomaly

47.8747, 0.2889, 0.3357



Tritanomaly

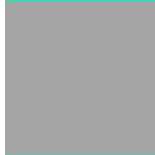
50.4837, 0.2401, 0.3288

Monochromacy



Original Color

50.3948, 0.2489, 0.3690



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8936, 0.2807, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3948, 0.2489, 0.3690 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(73, 209, 182)` looks like.

```
.text, #text, p{  
  color:rgb(73, 209, 182)  
}
```

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(73, 209, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 209, 182) }
```

Border

The CSS property to change the border of an element to Yxy 50.3948, 0.2489, 0.3690 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(73, 209, 182) }
```

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

```
.border{ border-color:rgb(73, 209, 182) }
```

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

Here you see how a box with a 4 pixel rgb(73, 209, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 209, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 209, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 209,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3948, 0.2489, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 209, 182) }
```

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

```
.background{ background-color: rgb(73, 209,  
182) }
```

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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