

Converting Colors

$Yxy(49.9019, 0.2374, 0.3181)$

Have a look what the booklet for
Yxy(49.9019, 0.2374, 0.3181)
contains.

Yxy(49.9176, 0.2374, 0.3176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.9176, 0.2374, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	56CCD4
RGB	86, 204, 212
RGB Percent	34%, 80%, 83%
CMY	0.6627, 0.2000, 0.1687
CMYK	0.59, 0.04, 0.00, 0.17
HSL	184°, 59%, 58%
HSV	184°, 59%, 83%
XYZ	37.3125, 49.9176, 69.9412
YIQ	169.6300, -72.8960, -22.5280

Conversions

Conversions Part 2

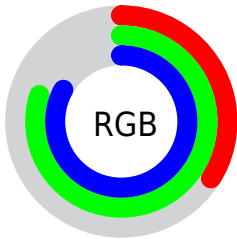
Format	Color
RYB	86, 147, 212
Decimal	5688532
CIELab	76.02, -30.52, -13.91
CIELCh	76, 33.546, 204.503
Yxy	49.9176, 0.2374, 0.3176
Android (android.graphics.Color)	4283878612 (0xFF56CCD4)
YUV	169.6300, 20.8884, -73.3435
Hunter-Lab	70.6524, -29.3735, -9.2365

Details

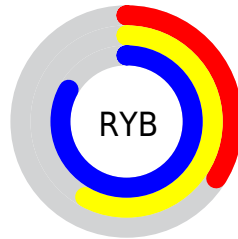
The Yxy color **49.9176, 0.2374, 0.3176** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.6692, 0.4903, 0.3386**, and the grayscale version is **39.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **23.9292, 0.2204, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **48.4227, 0.2301, 0.3154**, and if you desaturate by 10%, it is **51.7200, 0.2466, 0.3197**.

Distribution



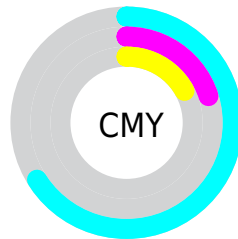
- Red (34%)
- Green (80%)
- Blue (83%)



- Red (34%)
- Yellow (58%)
- Blue (83%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)





- Cyan (66%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9176, 0.2374, 0.3176 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 49.9176, 0.2374, 0.3176 by changing the saturation by 10% instead.


 49.9176, 0.2374,
0.3176

 49.9176, 0.2374,
0.3176


386.3436, 0.2736,
0.3243


 35.3479, 0.2288,
0.3157


 90.0528, 0.2502,
0.3202


 23.9310, 0.2181,
0.3131


 116.3871, 0.2551,
0.3211

 15.2825, 0.2044,
0.3094


 147.4117, 0.2593,
0.3219

 9.0179, 0.1862,
0.3039

 183.5111, 0.2629,
0.3225

 4.7528, 0.1611,
0.2949

225.0695, 0.2661,
0.3231

 2.1030, 0.1252,
0.2789

272.4715, 0.2689,

 0.6663, 0.0000,

0.3235

0.2596

326.1014, 0.2714,
0.3239

0.0000, 0.0000,
0.0000

49.9176, 0.2374,
0.3176

49.9176, 0.2374,
0.3176

48.4227, 0.2301,
0.3154

51.7200, 0.2466,
0.3197

47.2025, 0.2248,
0.3133

53.8483, 0.2575,
0.3218

46.2266, 0.2213,
0.3112

56.3259, 0.2699,
0.3238

45.4403, 0.2193,
0.3091

59.1724, 0.2836,
0.3257

45.3969, 0.2192,
0.3090

62.4060, 0.2983,
0.3275

■ 66.0438, 0.3136,
0.3291

■ 70.1016, 0.3293,
0.3306

■ 74.4812, 0.3447,
0.3319

■ 75.1664, 0.3445,
0.3333

Harmonies

Analogous

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



49.9176, 0.2651, 0.3631



49.9176, 0.2374, 0.3176



49.9176, 0.2289, 0.2801

Triad

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



49.9176, 0.2374, 0.3176



49.9176, 0.3135, 0.2701



49.9176, 0.3880, 0.3985

Complementary

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



49.9176, 0.2374, 0.3176



22.6692, 0.4903, 0.3386

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.



49.9176, 0.4042, 0.3683



49.9176, 0.2374, 0.3176



49.9176, 0.3597, 0.2969

Square

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



49.9176, 0.2374, 0.3176



49.9176, 0.2703, 0.2564



49.9176, 0.3939, 0.3318



49.9176, 0.3518, 0.4120

Rectangle

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



49.9176, 0.2374, 0.3176



49.9176, 0.2344, 0.2641



49.9176, 0.3939, 0.3318



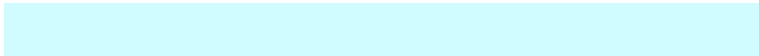
49.9176, 0.3961, 0.3897

Sweetspot

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



49.9195, 0.2374, 0.3176



90.4699, 0.2854, 0.3259



49.8338, 0.3010, 0.5115



19.0747, 0.2812, 0.3254



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.



49.9195, 0.2374, 0.3176



73.0978, 0.2287, 0.3149



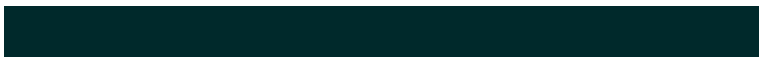
26.2857, 0.2165, 0.2232



13.9669, 0.2983, 0.3275



28.0880, 0.2192, 0.3092



1.7357, 0.2203, 0.3129

Inverse Universe

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



25.0114, 0.3279, 0.1982



32.6545, 0.3313, 0.1804



38.2068, 0.4372, 0.4115



12.6185, 0.3147, 0.3075



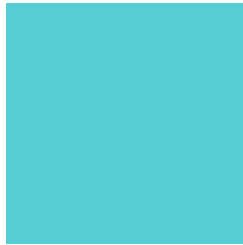
11.1804, 0.3374, 0.1632



0.6785, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 49.9176, 0.2374, 0.3176 looks on a white background.

Color Contrast Check

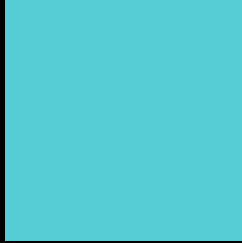
Large Text (above 18pt) WCAG AA × Fail

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 49.9176, 0.2374, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

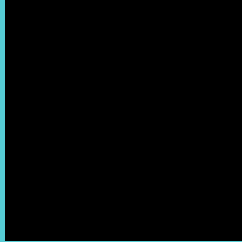
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9176, 0.2374, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 49.9176, 0.2374, 0.3176.

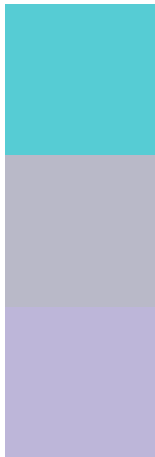


This preview shows how white text looks on a background with the Yxy color 49.9176, 0.2374, 0.3176.

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

49.9176, 0.2374, 0.3176

Protanopia

49.1823, 0.3013, 0.3101

Deuteranopia

49.2845, 0.2920, 0.2865



Tritanopia

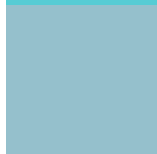
49.9502, 0.2349, 0.3067

Trichromacy



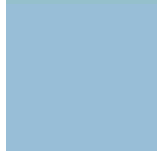
Original Color

49.9176, 0.2374, 0.3176



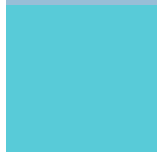
Protanomaly

48.4485, 0.2722, 0.3129



Deuteranomaly

48.4086, 0.2670, 0.2963



Tritanomaly

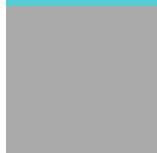
49.7444, 0.2360, 0.3107

Monochromacy



Original Color

49.9176, 0.2374, 0.3176



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.4476, 0.2763, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9176, 0.2374, 0.3176 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(86, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(86, 204, 212)  
}
```

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(86, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 204, 212) }
```

Border

The CSS property to change the border of an element to Yxy 49.9176, 0.2374, 0.3176 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(86, 204, 212) }
```

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

```
.border{ border-color:rgb(86, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(86, 204,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9176, 0.2374, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 204, 212) }
```

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

```
.background{ background-color: rgb(86, 204,  
212) }
```

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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