

Converting Colors

$Y_{xy}(49.3288, 0.2418, 0.3266)$

Have a look what the booklet for
Yxy(49.3288, 0.2418, 0.3266)
contains.

Yxy(49.2435, 0.2416, 0.3259)	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(49.2435, 0.2416, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	59CBCD
RGB	89, 203, 205
RGB Percent	35%, 80%, 80%
CMY	0.6505, 0.2040, 0.1960
CMYK	0.57, 0.01, 0.00, 0.20
HSL	181°, 54%, 58%
HSV	181°, 57%, 80%
XYZ	36.5058, 49.2435, 65.3508
YIQ	169.1420, -68.5860, -23.5460

Conversions

Conversions Part 2

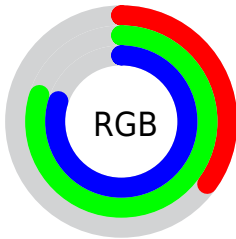
Format	Color
R _Y B	89, 146, 205
Decimal	5884877
CIE Lab	75.60, -31.39, -10.77
CIE LCh	76, 33.185, 198.936
Yxy	49.2435, 0.2416, 0.3259
Android (android.graphics.Color)	4284074957 (0xFF59CBCD)
YUV	169.1420, 17.6780, -70.2845
Hunter-Lab	70.1737, -29.9447, -6.0935

Details

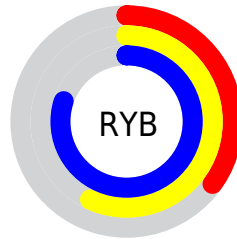
The Yxy color **49.2435, 0.2416, 0.3259** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.2150, 0.4810, 0.3319**, and the grayscale version is **39.7035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **23.4142, 0.2230, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **48.1972, 0.2343, 0.3253**, and if you desaturate by 10%, it is **50.5765, 0.2508, 0.3265**.

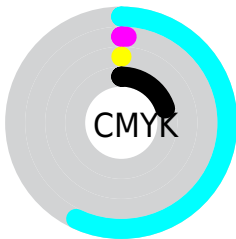
Distribution



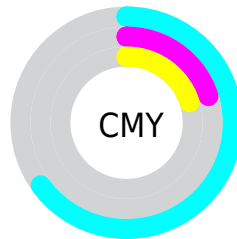
- Red (35%)
- Green (80%)
- Blue (80%)



- Red (35%)
- Yellow (57%)
- Blue (80%)



- Cyan (57%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2435, 0.2416, 0.3259 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 49.2435, 0.2416, 0.3259 by changing the saturation by 10% instead.


 49.2435, 0.2416,
0.3259


 49.2435, 0.2416,
0.3259


383.7001, 0.2760,
0.3283

 34.8127, 0.2334,
0.3250


 89.0530, 0.2538,
0.3270


 23.5186, 0.2231,
0.3238


 115.2005, 0.2585,
0.3273

 14.9769, 0.2098,
0.3219


 146.0223, 0.2625,
0.3276

 8.8032, 0.1920,
0.3189

 181.9028, 0.2659,
0.3278

 4.6130, 0.1673,
0.3135

223.2265, 0.2689,
0.3280

 2.0221, 0.1311,
0.3027

270.3776, 0.2716,

 0.6202, 0.0000,

0.3281

0.2916

323.7407, 0.2739,
0.3282

0.0000, 0.0000,
0.0000

49.2435, 0.2416,
0.3259

49.2435, 0.2416,
0.3259

48.1972, 0.2343,
0.3253

50.5765, 0.2508,
0.3265

47.4078, 0.2290,
0.3247

52.2119, 0.2617,
0.3271

46.8492, 0.2255,
0.3241

54.1707, 0.2741,
0.3276

46.4851, 0.2236,
0.3236

56.4708, 0.2879,
0.3282

46.3808, 0.2232,
0.3234

59.1284, 0.3027,
0.3287

■ 62.1590, 0.3182,
0.3292

■ 65.5770, 0.3340,
0.3296

■ 69.3960, 0.3501,
0.3300

■ 69.9194, 0.3515,
0.3303

Harmonies

Analogous

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



49.2435, 0.2723, 0.3709



49.2435, 0.2416, 0.3259



49.2435, 0.2294, 0.2862

Triad

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



49.2435, 0.2416, 0.3259



49.2435, 0.3050, 0.2668



49.2435, 0.3923, 0.3934

Complementary

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



49.2435, 0.2416, 0.3259



21.2150, 0.4810, 0.3319

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.



49.2435, 0.4038, 0.3616



49.2435, 0.2416, 0.3259



49.2435, 0.3513, 0.2914

Square

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



49.2435, 0.2416, 0.3259



49.2435, 0.2638, 0.2560



49.2435, 0.3886, 0.3250



49.2435, 0.3593, 0.4107

Rectangle

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



49.2435, 0.2416, 0.3259



49.2435, 0.2324, 0.2681



49.2435, 0.3886, 0.3250



49.2435, 0.3989, 0.3839

Sweetspot

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



49.2454, 0.2416, 0.3259



92.2010, 0.2869, 0.3281



46.5591, 0.3033, 0.5069



19.5626, 0.2840, 0.3280



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.



49.2454, 0.2416, 0.3259



78.5912, 0.2329, 0.3252



26.8334, 0.2224, 0.2359



12.6920, 0.2984, 0.3285



28.8828, 0.2232, 0.3235



1.5010, 0.2235, 0.3246

Inverse Universe

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



24.4593, 0.3211, 0.1986



34.2601, 0.3227, 0.1789



35.2022, 0.4327, 0.4036



11.4002, 0.3140, 0.3066



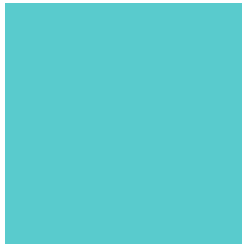
10.7187, 0.3253, 0.1566



0.5541, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 49.2435, 0.2416, 0.3259 looks on a white background.

Color Contrast Check

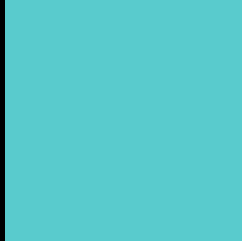
Large Text (above 18pt) WCAG AA × Fail

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 49.2435, 0.2416, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

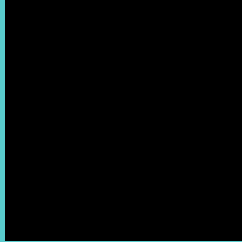
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

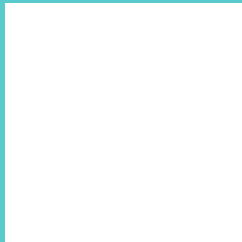
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2435, 0.2416, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 49.2435, 0.2416, 0.3259.

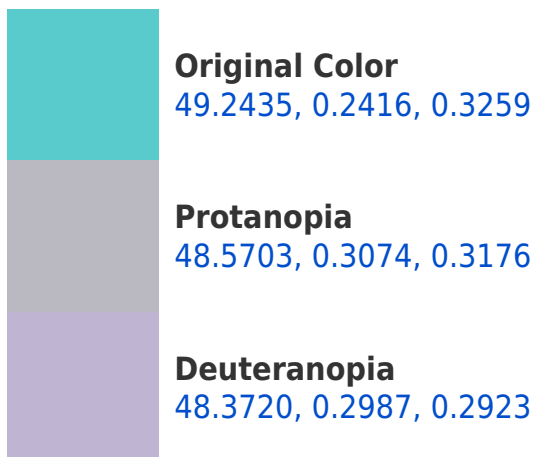


This preview shows how white text looks on a background with the Yxy color 49.2435, 0.2416, 0.3259.

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

49.1627, 0.2372, 0.3067

Trichromacy



Original Color

49.2435, 0.2416, 0.3259

Protanomaly

47.8721, 0.2779, 0.3208

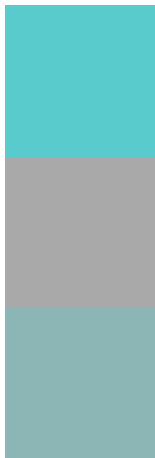
Deuteranomaly

47.3905, 0.2725, 0.3025

Tritanomaly

49.3205, 0.2386, 0.3134

Monochromacy



Original Color

49.2435, 0.2416, 0.3259

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.0006, 0.2790, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2435, 0.2416, 0.3259 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(89, 203, 205)` looks like.

```
.text, #text, p{  
    color:rgb(89, 203, 205)  
}
```

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(89, 203, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 203, 205) }
```

Border

The CSS property to change the border of an element to Yxy 49.2435, 0.2416, 0.3259 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(89, 203, 205) }
```

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

```
.border{ border-color:rgb(89, 203, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 203, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 203, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 203, 205);  
box-shadow:4px 4px 4px 4px rgb(89, 203,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2435, 0.2416, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 203, 205) }
```

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

```
.background{ background-color: rgb(89, 203,  
205) }
```

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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