

Converting Colors

$Y_{xy}(49.5742, 0.2357, 0.3081)$

Have a look what the booklet for
Yxy(49.5742, 0.2357, 0.3081)
contains.

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Color

Yxy(49.3747, 0.2356, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	59CAD9
RGB	89, 202, 217
RGB Percent	35%, 79%, 85%
CMY	0.6506, 0.2079, 0.1491
CMYK	0.59, 0.07, 0.00, 0.15
HSL	187°, 63%, 60%
HSV	187°, 59%, 85%
XYZ	37.7684, 49.3747, 73.1643
YIQ	169.9230, -72.1630, -19.2910

Conversions

Conversions Part 2

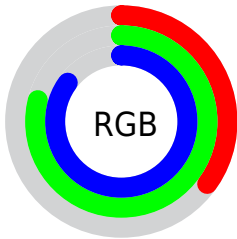
Format	Color
R _Y B	89, 149, 217
Decimal	5884633
CIE Lab	75.68, -27.60, -17.10
CIE LCh	76, 32.465, 211.786
Yxy	49.3747, 0.2356, 0.3080
Android (android.graphics.Color)	4284074713 (0xFF59CAD9)
YUV	169.9230, 23.2090, -70.9695
Hunter-Lab	70.2671, -27.0241, -12.5476

Details

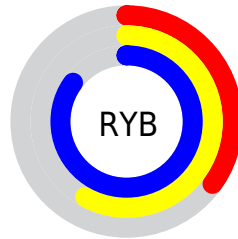
The Yxy color **49.3747, 0.2356, 0.3080** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.3864, 0.4828, 0.3465**, and the grayscale version is **40.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **23.7884, 0.2172, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **47.2727, 0.2275, 0.3039**, and if you desaturate by 10%, it is **51.8164, 0.2455, 0.3120**.

Distribution



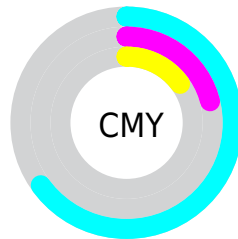
- Red (35%)
- Green (79%)
- Blue (85%)



- Red (35%)
- Yellow (58%)
- Blue (85%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (65%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3747, 0.2356, 0.3080 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 49.3747, 0.2356, 0.3080 by changing the saturation by 10% instead.


 49.3747, 0.2356,
0.3080


 49.3747, 0.2356,
0.3080


384.2156, 0.2726,
0.3194


 34.9168, 0.2269,
0.3049


 89.2477, 0.2487,
0.3123


 23.5988, 0.2160,
0.3008

 115.4316, 0.2537,
0.3139

 15.0363, 0.2020,
0.2952

 146.2930, 0.2580,
0.3152

 8.8448, 0.1835,
0.2871

 182.2162, 0.2617,
0.3163

 4.6401, 0.1582,
0.2746

223.5857, 0.2650,
0.3173

 2.0377, 0.1223,
0.2533

270.7858, 0.2678,

 0.6292, 0.0000,

0.3181

0.2223

324.2010, 0.2704,
0.3188

■ 0.0000, 0.0000,
0.0000

■ 49.3747, 0.2356,
0.3080

■ 49.3747, 0.2356,
0.3080

■ 47.2727, 0.2275,
0.3039

■ 51.8164, 0.2455,
0.3120

■ 45.4761, 0.2214,
0.2998

■ 54.6175, 0.2571,
0.3159

■ 43.9527, 0.2171,
0.2957

■ 57.8026, 0.2700,
0.3196

■ 42.6491, 0.2145,
0.2917

■ 61.3926, 0.2841,
0.3231

■ 42.5154, 0.2142,
0.2913

■ 65.4067, 0.2990,
0.3263

69.8630, 0.3144,
0.3293

74.7782, 0.3300,
0.3320

78.6827, 0.3399,
0.3345

80.0453, 0.3395,
0.3370

Harmonies

Analogous

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



49.3747, 0.2584, 0.3515



49.3747, 0.2356, 0.3080



49.3747, 0.2320, 0.2749

Triad

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



49.3747, 0.2356, 0.3080



49.3747, 0.3247, 0.2770



49.3747, 0.3788, 0.4017

Complementary

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



49.3747, 0.2356, 0.3080



25.3864, 0.4828, 0.3465

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.



49.3747, 0.4000, 0.3754



49.3747, 0.2356, 0.3080



49.3747, 0.3680, 0.3056

Square

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



49.3747, 0.2356, 0.3080



49.3747, 0.2808, 0.2602



49.3747, 0.3964, 0.3406



49.3747, 0.3405, 0.4091

Rectangle

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



49.3747, 0.2356, 0.3080



49.3747, 0.2405, 0.2622



49.3747, 0.3964, 0.3406



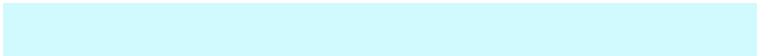
49.3747, 0.3883, 0.3945

Sweetspot

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



49.3766, 0.2356, 0.3080



88.9282, 0.2852, 0.3234



52.7394, 0.2971, 0.4985



18.6927, 0.2810, 0.3224



0.0000, 0.0000, 0.0000



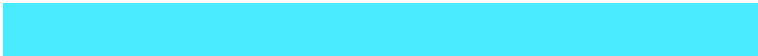
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3766, 0.2356, 0.3080



67.4045, 0.2257, 0.3028



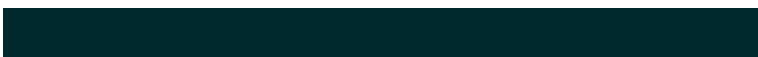
25.3483, 0.2142, 0.2108



14.5556, 0.2982, 0.3262



25.8458, 0.2144, 0.2918



1.7497, 0.2162, 0.2984

Inverse Universe

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



26.1732, 0.3356, 0.2050



32.0798, 0.3414, 0.1872



43.4587, 0.4295, 0.4203



13.2472, 0.3156, 0.3086



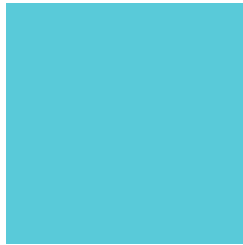
11.2329, 0.3527, 0.1716



0.7353, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 49.3747, 0.2356, 0.3080 looks on a white background.

Color Contrast Check

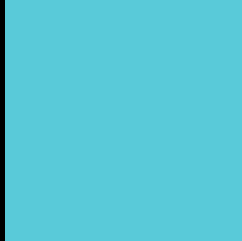
Large Text (above 18pt) WCAG AA × Fail

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 49.3747, 0.2356, 0.3080 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 49.3747, 0.2356, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 49.3747, 0.2356, 0.3080.

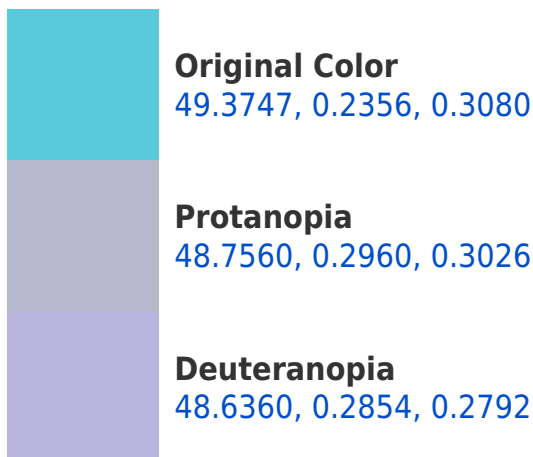


This preview shows how white text looks on a background with the Yxy color 49.3747, 0.2356, 0.3080.

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

49.4767, 0.2355, 0.3066

Trichromacy



Original Color

49.3747, 0.2356, 0.3080

Protanomaly

48.2546, 0.2689, 0.3051

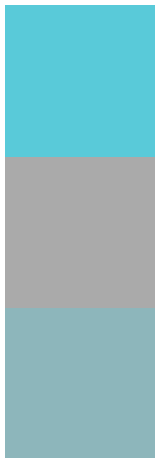
Deuteranomaly

48.0465, 0.2625, 0.2887

Tritanomaly

49.4767, 0.2355, 0.3066

Monochromacy



Original Color

49.3747, 0.2356, 0.3080

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.7065, 0.2764, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3747, 0.2356, 0.3080 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, 202, 217)` looks like.

```
.text, #text, p{  
    color:rgb(89, 202, 217)  
}
```

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, 202, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 202, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.3747, 0.2356, 0.3080 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, 202, 217) }
```

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

```
.border{ border-color:rgb(89, 202, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 202, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 202, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 202, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 202,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3747, 0.2356, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 202, 217) }
```

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

```
.background{ background-color: rgb(89, 202,  
217) }
```

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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