

Converting Colors

$Y_{xy}(50.2803, 0.2371, 0.3072)$

Have a look what the booklet for
Yxy(50.2803, 0.2371, 0.3072)
contains.

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Color

$\text{Yxy}(50.2060, 0.2369, 0.3068)$

Conversions

Conversions Part 1

Format	Color
Hex	5ECBDB
RGB	94, 203, 219
RGB Percent	37%, 80%, 86%
CMY	0.6309, 0.2040, 0.1411
CMYK	0.57, 0.07, 0.00, 0.14
HSL	188°, 63%, 61%
HSV	188°, 57%, 86%
XYZ	38.7673, 50.2060, 74.6708
YIQ	172.2330, -70.1000, -18.1320

Conversions

Conversions Part 2

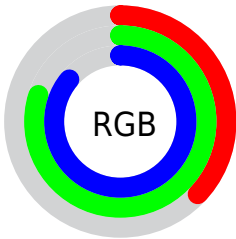
Format	Color
RYB	94, 152, 219
Decimal	6212571
CIELab	76.20, -26.59, -17.41
CIElCh	76, 31.784, 213.220
Yxy	50.2060, 0.2369, 0.3068
Android (android.graphics.Color)	4284402651 (0xFF5ECBDB)
YUV	172.2330, 23.0561, -68.6103
Hunter-Lab	70.8562, -26.3363, -12.8826

Details

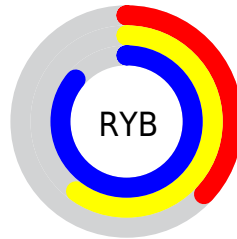
The Yxy color **50.2060, 0.2369, 0.3068** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.0524, 0.4735, 0.3478**, and the grayscale version is **41.3019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **24.2464, 0.2179, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **47.8934, 0.2283, 0.3023**, and if you desaturate by 10%, it is **52.8750, 0.2473, 0.3112**.

Distribution



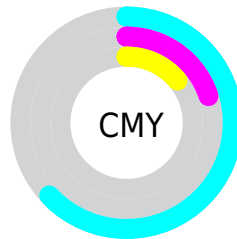
- Red (37%)
- Green (80%)
- Blue (86%)



- Red (37%)
- Yellow (60%)
- Blue (86%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (63%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2060, 0.2369, 0.3068 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 50.2060, 0.2369, 0.3068 by changing the saturation by 10% instead.

■ 50.2060, 0.2369,
0.3068

■ 50.2060, 0.2369,
0.3068

■ 387.4710, 0.2732,
0.3187

■ 35.5771, 0.2284,
0.3036

■ 90.4800, 0.2497,
0.3113

■ 24.1078, 0.2177,
0.2994

■ 116.8939, 0.2546,
0.3129

■ 15.4136, 0.2041,
0.2937

■ 148.0050, 0.2589,
0.3143

■ 9.1102, 0.1861,
0.2855

■ 184.1976, 0.2625,
0.3155

■ 4.8131, 0.1614,
0.2729

■ 225.8560, 0.2657,
0.3165

■ 2.1380, 0.1265,
0.2518

■ 273.3649, 0.2685,

■ 0.6859, 0.0009,

0.3173

0.2257

327.1084, 0.2710,
0.3181

0.0000, 0.0000,
0.0000

50.2060, 0.2369,
0.3068

50.2060, 0.2369,
0.3068

47.8934, 0.2283,
0.3023

52.8750, 0.2473,
0.3112

45.9027, 0.2217,
0.2978

55.9200, 0.2593,
0.3154

44.2023, 0.2169,
0.2933

59.3658, 0.2725,
0.3195

42.7483, 0.2139,
0.2888

63.2335, 0.2869,
0.3232

42.3412, 0.2132,
0.2875

67.5425, 0.3019,
0.3267

■ 72.3109, 0.3173,
0.3299

■ 77.5561, 0.3329,
0.3328

■ 80.4758, 0.3381,
0.3355

■ 82.0113, 0.3377,
0.3383

Harmonies

Analogous

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



50.2060, 0.2583, 0.3489



50.2060, 0.2369, 0.3068



50.2060, 0.2343, 0.2752

Triad

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



50.2060, 0.2369, 0.3068



50.2060, 0.3266, 0.2794



50.2060, 0.3757, 0.4006

Complementary

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



50.2060, 0.2369, 0.3068



27.0524, 0.4735, 0.3478

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.



50.2060, 0.3973, 0.3759



50.2060, 0.2369, 0.3068



50.2060, 0.3683, 0.3078

Square

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



50.2060, 0.2369, 0.3068



50.2060, 0.2835, 0.2623



50.2060, 0.3949, 0.3421



50.2060, 0.3378, 0.4066

Rectangle

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



50.2060, 0.2369, 0.3068



50.2060, 0.2432, 0.2633



50.2060, 0.3949, 0.3421



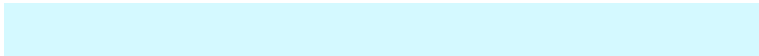
50.2060, 0.3852, 0.3940

Sweetspot

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



50.2079, 0.2369, 0.3068



89.1887, 0.2867, 0.3232



54.1510, 0.2974, 0.4924



18.8430, 0.2837, 0.3225



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.



50.2079, 0.2369, 0.3068



67.1377, 0.2272, 0.3016



26.8440, 0.2172, 0.2153



14.5297, 0.2982, 0.3259



25.2172, 0.2134, 0.2882



1.7149, 0.2154, 0.2954

Inverse Universe

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



27.3986, 0.3363, 0.2094



33.1039, 0.3420, 0.1922



45.0478, 0.4252, 0.4180



13.2446, 0.3157, 0.3089



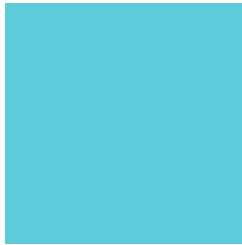
11.1695, 0.3560, 0.1735



0.7318, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 50.2060, 0.2369, 0.3068 looks on a white background.

Color Contrast Check

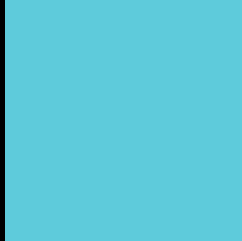
Large Text (above 18pt) WCAG AA × Fail

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 50.2060, 0.2369, 0.3068 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 50.2060, 0.2369, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 50.2060, 0.2369, 0.3068.



This preview shows how white text looks on a background with the Yxy color 50.2060, 0.2369, 0.3068.

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

50.2060, 0.2369, 0.3068

Protanopia

49.4423, 0.2947, 0.3004

Deuteranopia

49.3484, 0.2862, 0.2795



Tritanopia

50.2060, 0.2369, 0.3068

Trichromacy



Original Color

50.2060, 0.2369, 0.3068

Protanomaly

49.0320, 0.2685, 0.3027

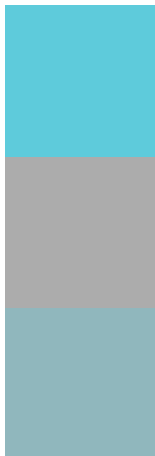
Deuteranomaly

48.8731, 0.2635, 0.2878

Tritanomaly

50.2060, 0.2369, 0.3068

Monochromacy



Original Color

50.2060, 0.2369, 0.3068

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.4704, 0.2773, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2060, 0.2369, 0.3068 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(94, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(94, 203, 219)  
}
```

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(94, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 203, 219) }
```

Border

The CSS property to change the border of an element to Yxy 50.2060, 0.2369, 0.3068 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(94, 203, 219) }
```

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

```
.border{ border-color:rgb(94, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(94, 203,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2060, 0.2369, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 203, 219) }
```

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

```
.background{ background-color: rgb(94, 203,  
219) }
```

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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