

Converting Colors

$Y_{xy}(49.2814, 0.2340, 0.3066)$

Have a look what the booklet for
Yxy(49.2814, 0.2340, 0.3066)
contains.

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Color

Yxy(49.2814, 0.2340, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	56CADA
RGB	86, 202, 218
RGB Percent	34%, 79%, 85%
CMY	0.6626, 0.2078, 0.1452
CMYK	0.61, 0.07, 0.00, 0.15
HSL	187°, 64%, 60%
HSV	187°, 61%, 85%
XYZ	37.6120, 49.2814, 73.8417
YIQ	169.1400, -74.2720, -19.6160

Conversions

Conversions Part 2

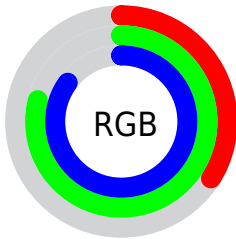
Format	Color
R_{YB}	86, 148, 218
Decimal	5688026
CIE _{Lab}	75.63, -27.86, -17.74
CIE _{LCh}	76, 33.025, 212.491
Yxy	49.2814, 0.2340, 0.3066
Android (android.graphics.Color)	4283878106 (0xFF56CADA)
YUV	169.1400, 24.0880, -72.9138
Hunter-Lab	70.2007, -27.2148, -13.2246

Details

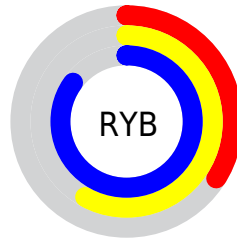
The Yxy color **49.2814, 0.2340, 0.3066** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.0772, 0.4894, 0.3473**, and the grayscale version is **39.6591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **23.8242, 0.2167, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **47.1735, 0.2262, 0.3024**, and if you desaturate by 10%, it is **51.7296, 0.2437, 0.3108**.

Distribution



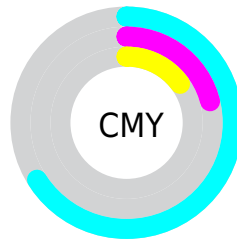
- Red (34%)
- Green (79%)
- Blue (85%)



- Red (34%)
- Yellow (58%)
- Blue (85%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (66%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2814, 0.2340, 0.3066 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 49.2814, 0.2340, 0.3066 by changing the saturation by 10% instead.


 49.2814, 0.2340,
0.3066

 49.2814, 0.2340,
0.3066


383.8491, 0.2718,
0.3188


 34.8428, 0.2251,
0.3033


 89.1093, 0.2473,
0.3112

 23.5418, 0.2140,
0.2990


 115.2672, 0.2525,
0.3129

 14.9941, 0.1998,
0.2931


 146.1005, 0.2568,
0.3143

 8.8152, 0.1811,
0.2845

 181.9934, 0.2606,
0.3155

 4.6209, 0.1555,
0.2714

223.3303, 0.2639,
0.3165

 2.0266, 0.1193,
0.2492

270.4956, 0.2669,

 0.6228, 0.0000,

0.3173

0.2155

323.8737, 0.2695,
0.3181

0.0000, 0.0000,
0.0000

49.2814, 0.2340,
0.3066

49.2814, 0.2340,
0.3066

47.1735, 0.2262,
0.3024

51.7296, 0.2437,
0.3108

45.3705, 0.2203,
0.2981

54.5387, 0.2550,
0.3148

43.8388, 0.2163,
0.2939

57.7338, 0.2678,
0.3187

42.5800, 0.2139,
0.2899

61.3364, 0.2818,
0.3223

65.3661, 0.2966,
0.3257

■ 69.8414, 0.3119,
0.3288

■ 74.7794, 0.3275,
0.3317

■ 79.1559, 0.3391,
0.3342

■ 80.5779, 0.3387,
0.3369

Harmonies

Analogous

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



49.2814, 0.2567, 0.3508



49.2814, 0.2340, 0.3066



49.2814, 0.2309, 0.2734

Triad

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



49.2814, 0.2340, 0.3066



49.2814, 0.3260, 0.2767



49.2814, 0.3792, 0.4033

Complementary

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



49.2814, 0.2340, 0.3066



25.0772, 0.4894, 0.3473

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.



49.2814, 0.4013, 0.3769



49.2814, 0.2340, 0.3066



49.2814, 0.3699, 0.3059

Square

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



49.2814, 0.2340, 0.3066



49.2814, 0.2812, 0.2593



49.2814, 0.3983, 0.3416



49.2814, 0.3399, 0.4104

Rectangle

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



49.2814, 0.2340, 0.3066



49.2814, 0.2398, 0.2607



49.2814, 0.3983, 0.3416



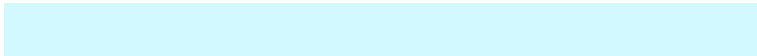
49.2814, 0.3890, 0.3961

Sweetspot

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



49.2832, 0.2340, 0.3066



88.8160, 0.2852, 0.3232



53.0578, 0.2969, 0.5036



18.6650, 0.2810, 0.3222



0.0000, 0.0000, 0.0000



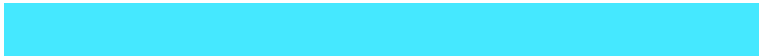
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2832, 0.2340, 0.3066



66.4561, 0.2241, 0.3010



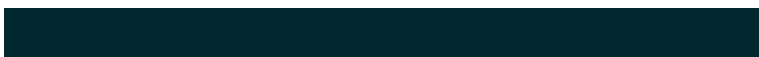
24.8210, 0.2116, 0.2069



14.5464, 0.2982, 0.3261



25.6225, 0.2140, 0.2905



1.7373, 0.2159, 0.2974

Inverse Universe

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



25.8265, 0.3369, 0.2028



31.3506, 0.3431, 0.1855



43.3569, 0.4332, 0.4223



13.2463, 0.3156, 0.3087



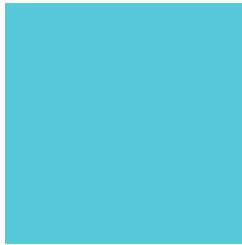
11.2104, 0.3538, 0.1723



0.7341, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 49.2814, 0.2340, 0.3066 looks on a white background.

Color Contrast Check

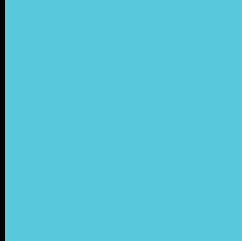
Large Text (above 18pt) WCAG AA × Fail

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 49.2814, 0.2340, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

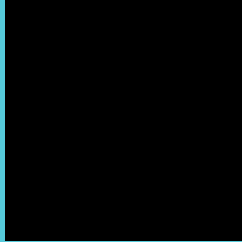
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2814, 0.2340, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 49.2814, 0.2340, 0.3066.

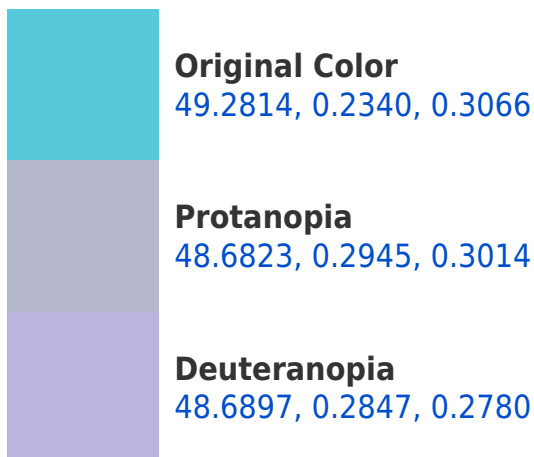


This preview shows how white text looks on a background with the Yxy color 49.2814, 0.2340, 0.3066.

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

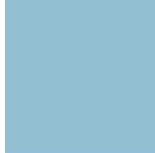
49.2814, 0.2340, 0.3066

Trichromacy



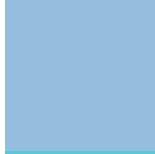
Original Color

49.2814, 0.2340, 0.3066



Protanomaly

48.1178, 0.2669, 0.3037



Deuteranomaly

48.0052, 0.2613, 0.2874



Tritanomaly

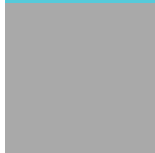
49.2814, 0.2340, 0.3066

Monochromacy



Original Color

49.2814, 0.2340, 0.3066



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.1246, 0.2748, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2814, 0.2340, 0.3066 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, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(86, 202, 218)  
}
```

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, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 202, 218) }
```

Border

The CSS property to change the border of an element to Yxy 49.2814, 0.2340, 0.3066 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, 202, 218) }
```

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

```
.border{ border-color:rgb(86, 202, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 202, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(86, 202,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2814, 0.2340, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 202, 218) }
```

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

```
.background{ background-color: rgb(86, 202,  
218) }
```

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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