

Converting Colors

$Y_{xy}(51.3232, 0.2339, 0.3008)$

Have a look what the booklet for
Yxy(51.3232, 0.2339, 0.3008)
contains.

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Color

Yxy(51.4260, 0.2343, 0.3018)

Conversions

Conversions Part 1	
Format	Color
Hex	5DCDE1
RGB	93, 205, 225
RGB Percent	36%, 80%, 88%
CMY	0.6358, 0.1960, 0.1177
CMYK	0.59, 0.09, 0.00, 0.12
HSL	189°, 69%, 62%
HSV	189°, 59%, 88%
XYZ	39.9242, 51.4260, 79.0475
YIQ	173.7920, -73.1720, -17.5240

Conversions

Conversions Part 2

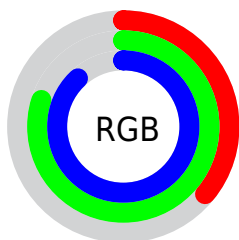
Format	Color
RYB	93, 154, 225
Decimal	6147553
CIELab	76.94, -26.13, -19.52
CIELCh	77, 32.614, 216.756
Yxy	51.4260, 0.2343, 0.3018
Android (android.graphics.Color)	4284337633 (0xFF5DCDE1)
YUV	173.7920, 25.2455, -70.8546
Hunter-Lab	71.7119, -26.1196, -15.1565

Details

The Yxy color **51.4260, 0.2343, 0.3018** 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 **28.5671, 0.4788, 0.3516**, and the grayscale version is **42.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **24.7214, 0.2145, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **48.8141, 0.2257, 0.2964**, and if you desaturate by 10%, it is **54.4222, 0.2447, 0.3071**.

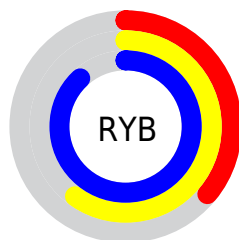
Distribution



Red (36%)

Green (80%)

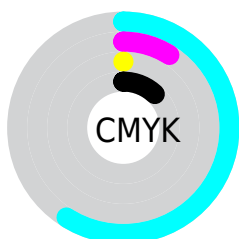
Blue (88%)



Red (36%)

Yellow (60%)

Blue (88%)

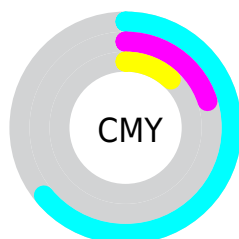


Cyan (59%)

Magenta (9%)

Yellow (0%)

Black (12%)



Cyan (64%)

Magenta (20%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4260, 0.2343, 0.3018 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 51.4260, 0.2343, 0.3018 by changing the saturation by 10% instead.

 51.4260, 0.2343,
0.3018


 51.4260, 0.2343,
0.3018


392.2166, 0.2716,
0.3162

 36.5478, 0.2256,
0.2980


 92.2842, 0.2474,
0.3072


 24.8575, 0.2148,
0.2932


 119.0329, 0.2525,
0.3091

 15.9709, 0.2010,
0.2866


 150.5072, 0.2568,
0.3108

 9.5036, 0.1829,
0.2772

 187.0915, 0.2606,
0.3122

 5.0711, 0.1585,
0.2632

229.1702, 0.2638,
0.3134

 2.2890, 0.1242,
0.2405


277.1277, 0.2667,


 0.7679, 0.0251,

0.3144


0.2096

331.3484, 0.2693,
0.3154

 0.0000, 0.0000,
0.0000


 51.4260, 0.2343,
0.3018


 51.4260, 0.2343,
0.3018

 48.8141, 0.2257,
0.2964

 54.4222, 0.2447,
0.3071


 46.5491, 0.2191,
0.2910

 57.8247, 0.2567,
0.3121

 44.5959, 0.2144,
0.2856


 61.6603, 0.2700,
0.3170

 42.8983, 0.2114,
0.2803


 65.9518, 0.2843,
0.3215


 42.6903, 0.2110,
0.2796

 70.7205, 0.2993,
0.3257

 75.9859, 0.3147,
0.3295

 81.7667, 0.3302,
0.3329

 84.5350, 0.3331,
0.3362

 86.4705, 0.3327,
0.3396

Harmonies

Analogous

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



51.4260, 0.2539, 0.3440



51.4260, 0.2343, 0.3018



51.4260, 0.2340, 0.2715

Triad

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



51.4260, 0.2343, 0.3018



51.4260, 0.3322, 0.2815



51.4260, 0.3729, 0.4038

Complementary

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



51.4260, 0.2343, 0.3018



28.5671, 0.4788, 0.3516

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.



51.4260, 0.3973, 0.3802



51.4260, 0.2343, 0.3018



51.4260, 0.3736, 0.3113

Square

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



51.4260, 0.2343, 0.3018



51.4260, 0.2878, 0.2625



51.4260, 0.3980, 0.3465



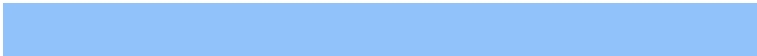
51.4260, 0.3331, 0.4071

Rectangle

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



51.4260, 0.2343, 0.3018



51.4260, 0.2445, 0.2608



51.4260, 0.3980, 0.3465



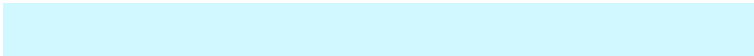
51.4260, 0.3833, 0.3977

Sweetspot

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



51.4279, 0.2343, 0.3018



87.9632, 0.2851, 0.3217



57.3498, 0.2951, 0.4922



18.4541, 0.2809, 0.3205



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.



51.4279, 0.2343, 0.3018



64.2756, 0.2244, 0.2955



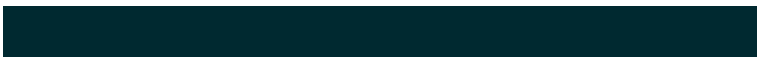
26.2525, 0.2128, 0.2044



15.2008, 0.2982, 0.3254



24.7406, 0.2112, 0.2804



1.8118, 0.2135, 0.2887

Inverse Universe

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



28.2196, 0.3406, 0.2091



32.1007, 0.3475, 0.1928



48.9321, 0.4261, 0.4248



13.8982, 0.3161, 0.3093



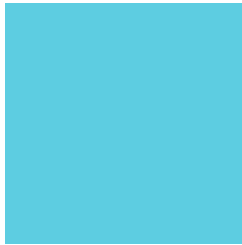
11.4056, 0.3631, 0.1774



0.8004, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 51.4260, 0.2343, 0.3018 looks on a white background.

Color Contrast Check

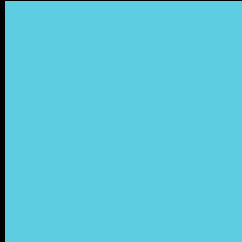
Large Text (above 18pt) WCAG AA × Fail

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 51.4260, 0.2343, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

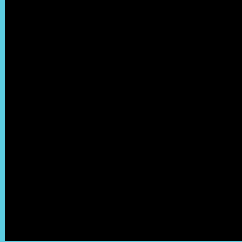
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4260, 0.2343, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 51.4260, 0.2343, 0.3018.



This preview shows how white text looks on a background with the Yxy color 51.4260, 0.2343, 0.3018.

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

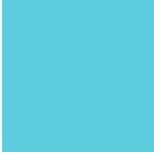
51.4260, 0.2343, 0.3018

Protanopia

50.6590, 0.2919, 0.2970

Deuteranopia

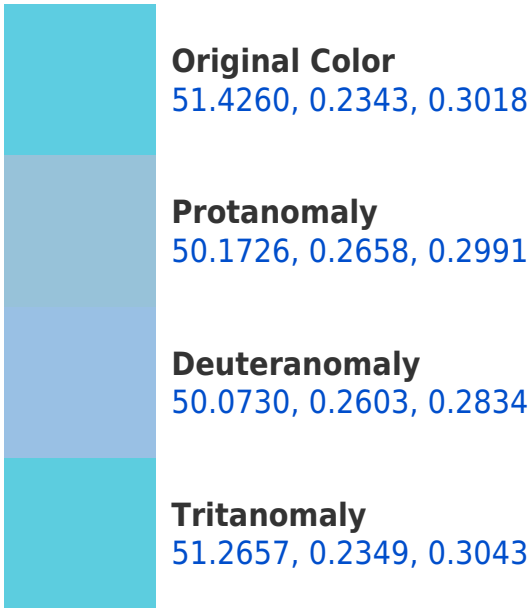
50.9199, 0.2823, 0.2766



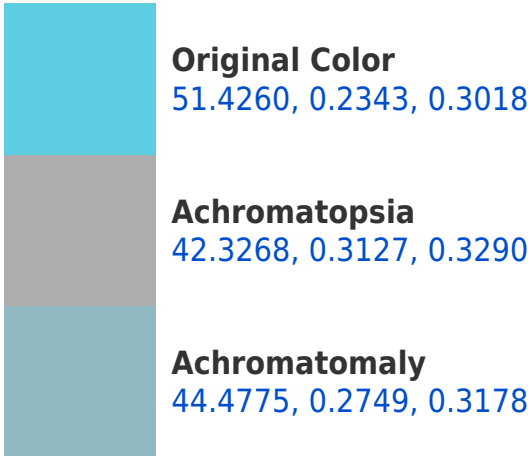
Tritanopia

51.2119, 0.2353, 0.3056

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4260, 0.2343, 0.3018 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(93, 205, 225)` looks like.

```
.text, #text, p{  
    color:rgb(93, 205, 225)  
}
```

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(93, 205, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 205, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.4260, 0.2343, 0.3018 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(93, 205, 225) }
```

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

```
.border{ border-color:rgb(93, 205, 225) }
```

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

Here you see how a box with a 4 pixel rgb(93, 205, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 205, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 205, 225);  
box-shadow:4px 4px 4px 4px rgb(93, 205,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4260, 0.2343, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 205, 225) }
```

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

```
.background{ background-color: rgb(93, 205,  
225) }
```

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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