

Converting Colors

$Y_{xy}(50.2000, 0.2319, 0.3053)$

Have a look what the booklet for
Yxy(50.2000, 0.2319, 0.3053)
contains.

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Color

Yxy(50.2000, 0.2319, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	52CCDD
RGB	82, 204, 221
RGB Percent	32%, 80%, 87%
CMY	0.6781, 0.2000, 0.1333
CMYK	0.63, 0.08, 0.00, 0.13
HSL	187°, 67%, 59%
HSV	187°, 63%, 87%
XYZ	38.1310, 50.2000, 76.0975
YIQ	169.4600, -78.1690, -20.5770

Conversions

Conversions Part 2

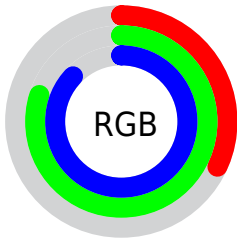
Format	Color
RYB	82, 147, 221
Decimal	5426397
CIELab	76.19, -28.61, -18.54
CIELCh	76, 34.093, 212.935
Yxy	50.2000, 0.2319, 0.3053
Android (android.graphics.Color)	4283616477 (0xFF52CCDD)
YUV	169.4600, 25.4092, -76.7024
Hunter-Lab	70.8520, -27.9262, -14.0832

Details

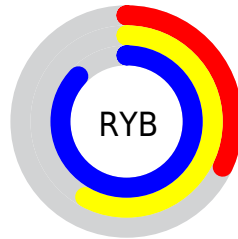
The Yxy color **50.2000, 0.2319, 0.3053** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.9316, 0.4998, 0.3478**, and the grayscale version is **39.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.2481, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **48.0879, 0.2245, 0.3010**, and if you desaturate by 10%, it is **52.6573, 0.2412, 0.3096**.

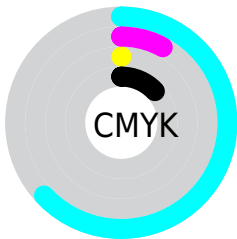
Distribution



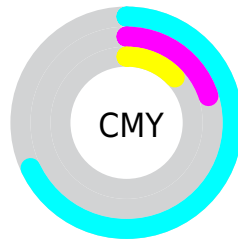
- Red (32%)
- Green (80%)
- Blue (87%)



- Red (32%)
- Yellow (58%)
- Blue (87%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)




- Cyan (68%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2000, 0.2319, 0.3053 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 50.2000, 0.2319, 0.3053 by changing the saturation by 10% instead.


 50.2000, 0.2319,
0.3053


 50.2000, 0.2319,
0.3053


387.4475, 0.2705,
0.3181

 35.5723, 0.2229,
0.3019

 90.4711, 0.2455,
0.3101


 24.1041, 0.2116,
0.2974


 116.8834, 0.2507,
0.3119

 15.4109, 0.1973,
0.2912


 147.9926, 0.2552,
0.3134

 9.1082, 0.1784,
0.2823

 184.1833, 0.2591,
0.3146

 4.8118, 0.1529,
0.2688

225.8397, 0.2625,
0.3157

 2.1373, 0.1171,
0.2463

273.3463, 0.2655,

 0.6855, 0.0000,

0.3166

327.0874, 0.2681,
0.3174

0.2156

0.0000, 0.0000,
0.0000

50.2000, 0.2319,
0.3053

50.2000, 0.2319,
0.3053

48.0879, 0.2245,
0.3010

52.6573, 0.2412,
0.3096

46.2835, 0.2191,
0.2967

55.4820, 0.2522,
0.3137

44.7499, 0.2155,
0.2924

58.7007, 0.2647,
0.3177

43.7751, 0.2137,
0.2894

62.3360, 0.2784,
0.3214

66.4087, 0.2931,
0.3249

70.9381, 0.3083,
0.3281

75.9422, 0.3238,
0.3311

80.6895, 0.3366,
0.3337

82.1713, 0.3363,
0.3364

Harmonies

Analogous

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



50.2000, 0.2548, 0.3507



50.2000, 0.2319, 0.3053



50.2000, 0.2290, 0.2715

Triad

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



50.2000, 0.2319, 0.3053



50.2000, 0.3270, 0.2759



50.2000, 0.3803, 0.4055

Complementary

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



50.2000, 0.2319, 0.3053



24.9316, 0.4998, 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.



50.2000, 0.4034, 0.3784



50.2000, 0.2319, 0.3053



50.2000, 0.3720, 0.3058

Square

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



50.2000, 0.2319, 0.3053



50.2000, 0.2810, 0.2578



50.2000, 0.4008, 0.3423



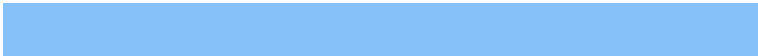
50.2000, 0.3398, 0.4126

Rectangle

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



50.2000, 0.2319, 0.3053



50.2000, 0.2383, 0.2588



50.2000, 0.4008, 0.3423



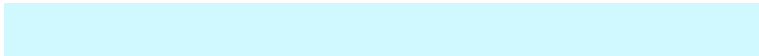
50.2000, 0.3905, 0.3981

Sweetspot

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



50.2019, 0.2319, 0.3053



88.2109, 0.2838, 0.3228



54.4076, 0.2966, 0.5111



18.5437, 0.2796, 0.3217



0.0000, 0.0000, 0.0000



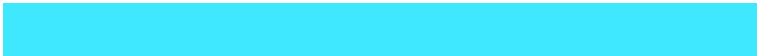
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2019, 0.2319, 0.3053



65.7695, 0.2228, 0.2998



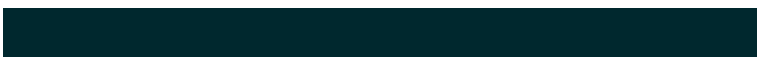
24.4447, 0.2078, 0.2012



14.5430, 0.2982, 0.3261



25.5382, 0.2139, 0.2900



1.7327, 0.2158, 0.2970

Inverse Universe

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



25.7830, 0.3383, 0.1994



30.7001, 0.3443, 0.1836



43.9034, 0.4386, 0.4250



13.2459, 0.3156, 0.3087



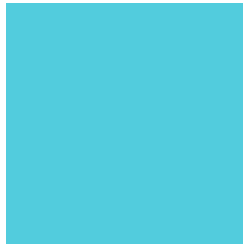
11.2019, 0.3543, 0.1725



0.7336, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 50.2000, 0.2319, 0.3053 looks on a white background.

Color Contrast Check

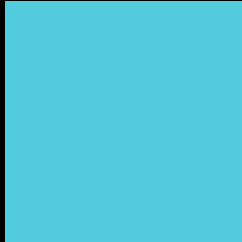
Large Text (above 18pt) WCAG AA × Fail

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 50.2000, 0.2319, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

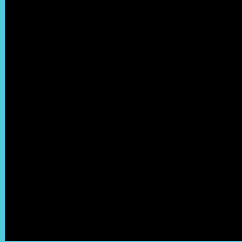
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2000, 0.2319, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 50.2000, 0.2319, 0.3053.

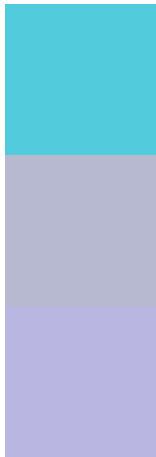


This preview shows how white text looks on a background with the Yxy color 50.2000, 0.2319, 0.3053.

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

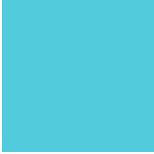
50.2000, 0.2319, 0.3053

Protanopia

49.3687, 0.2932, 0.2991

Deuteranopia

49.2612, 0.2827, 0.2759



Tritanopia

50.2000, 0.2319, 0.3053

Trichromacy



Original Color

50.2000, 0.2319, 0.3053

Protanomaly

48.6144, 0.2646, 0.3012

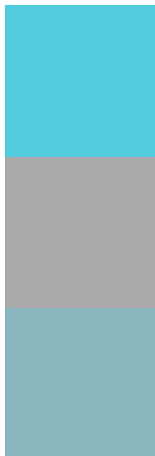
Deuteranomaly

48.5046, 0.2591, 0.2851

Tritanomaly

50.2000, 0.2319, 0.3053

Monochromacy



Original Color

50.2000, 0.2319, 0.3053

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.4051, 0.2729, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2000, 0.2319, 0.3053 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(82, 204, 221)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 221)  
}
```

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(82, 204, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.2000, 0.2319, 0.3053 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(82, 204, 221) }
```

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

```
.border{ border-color:rgb(82, 204, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 221);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2000, 0.2319, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 221) }
```

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

```
.background{ background-color: rgb(82, 204,  
221) }
```

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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