

Converting Colors

$Y_{xy}(50.2255, 0.2283, 0.3310)$

Have a look what the booklet for
Yxy(50.2255, 0.2283, 0.3310)
contains.

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Color

Yxy(50.4632, 0.2284, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	23D1CF
RGB	35, 209, 207
RGB Percent	14%, 82%, 81%
CMY	0.8628, 0.1804, 0.1881
CMYK	0.83, 0.00, 0.01, 0.18
HSL	179°, 71%, 48%
HSV	179°, 83%, 82%
XYZ	34.7581, 50.4632, 66.9596
YIQ	156.7460, -103.0620, -37.5100

Conversions

Conversions Part 2

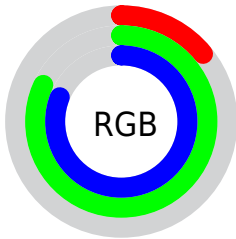
Format	Color
R _Y B	35, 123, 209
Decimal	2347471
CIE Lab	76.35, -40.52, -10.85
CIE LCh	76, 41.944, 194.990
Yxy	50.4632, 0.2284, 0.3316
Android (android.graphics.Color)	4280537551 (0xFF23D1CF)
YUV	156.7460, 24.7752, -106.7712
Hunter-Lab	71.0375, -36.9768, -6.1603

Details

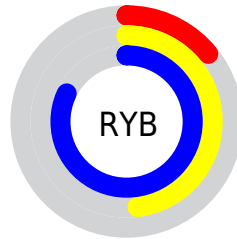
The Yxy color **50.4632, 0.2284, 0.3316** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **14.8896, 0.6010, 0.3287**, and the grayscale version is **33.5172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **25.4111, 0.2252, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **50.1906, 0.2263, 0.3320**, and if you desaturate by 10%, it is **50.9570, 0.2322, 0.3312**.

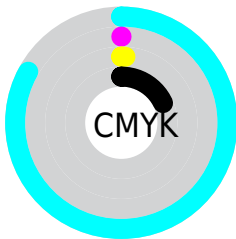
Distribution



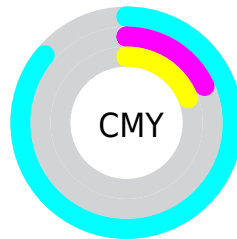
- Red (14%)
- Green (82%)
- Blue (81%)



- Red (14%)
- Yellow (48%)
- Blue (82%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (86%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4632, 0.2284, 0.3316 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 50.4632, 0.2284, 0.3316 by changing the saturation by 10% instead.


 50.4632, 0.2284,
0.3316


 50.4632, 0.2284,
0.3316


388.4746, 0.2688,
0.3315


 35.7816, 0.2189,
0.3313


 90.8608, 0.2427,
0.3318


 24.2656, 0.2070,
0.3306


 117.3456, 0.2482,
0.3318


 15.5307, 0.1918,
0.3295


 148.5335, 0.2529,
0.3318

 9.1927, 0.1718,
0.3273

 184.8090, 0.2569,
0.3318

 4.8671, 0.1445,
0.3228

 226.5565, 0.2605,
0.3317

 2.1695, 0.1056,
0.3132

274.1603, 0.2636,

 0.7033, 0.0000,

0.3317

0.3002

328.0049, 0.2664,
0.3316

■ 0.0000, 0.0000,
0.0000

■ 50.4632, 0.2284,
0.3316

■ 50.4632, 0.2284,
0.3316

■ 50.1906, 0.2263,
0.3320

■ 50.9570, 0.2322,
0.3312

■ 50.0888, 0.2256,
0.3322

■ 51.6999, 0.2379,
0.3309

■ 52.7218, 0.2455,
0.3305

■ 54.0469, 0.2550,
0.3302

■ 55.6966, 0.2662,
0.3299

■ 57.6907, 0.2789,
0.3296

■ 60.0473, 0.2928,
0.3293

■ 62.7831, 0.3077,
0.3291

■ 65.9138, 0.3232,
0.3289

Harmonies

Analogous

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



50.4632, 0.2681, 0.3892



50.4632, 0.2284, 0.3316



50.4632, 0.2110, 0.2800

Triad

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



50.4632, 0.2284, 0.3316



50.4632, 0.2950, 0.2502



50.4632, 0.4152, 0.4030

Complementary

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



50.4632, 0.2284, 0.3316



14.8896, 0.6010, 0.3287

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.



50.4632, 0.4263, 0.3615



50.4632, 0.2284, 0.3316



50.4632, 0.3533, 0.2779

Square

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



50.4632, 0.2284, 0.3316



50.4632, 0.2465, 0.2392



50.4632, 0.4033, 0.3172



50.4632, 0.3761, 0.4299

Rectangle

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



50.4632, 0.2284, 0.3316



50.4632, 0.2126, 0.2565



50.4632, 0.4033, 0.3172



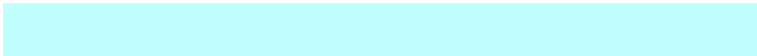
50.4632, 0.4225, 0.3901

Sweetspot

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



50.4651, 0.2284, 0.3316



89.8024, 0.2762, 0.3297



46.1326, 0.3015, 0.5820



18.9785, 0.2716, 0.3298



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.



50.4651, 0.2284, 0.3316



78.5555, 0.2256, 0.3322



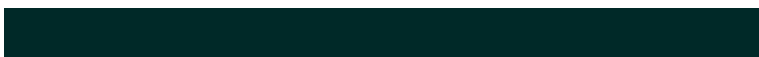
19.6001, 0.1910, 0.1918



13.4047, 0.2985, 0.3292



30.8839, 0.2256, 0.3321



1.7276, 0.2254, 0.3315

Inverse Universe

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



14.8896, 0.6010, 0.3287



21.2663, 0.6393, 0.3295



26.8919, 0.5099, 0.4129



11.8104, 0.3289, 0.3288



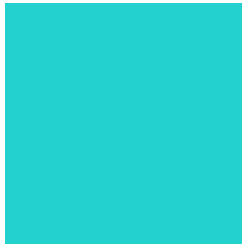
8.3620, 0.6387, 0.3292



0.4683, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 50.4632, 0.2284, 0.3316 looks on a white background.

Color Contrast Check

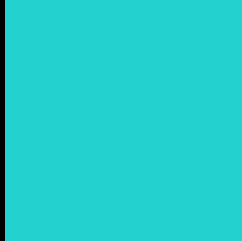
Large Text (above 18pt) WCAG AA × Fail

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 50.4632, 0.2284, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

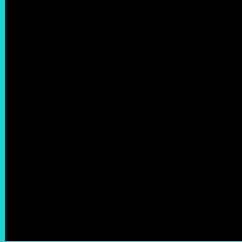
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

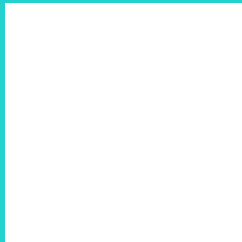
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4632, 0.2284, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 50.4632, 0.2284, 0.3316.

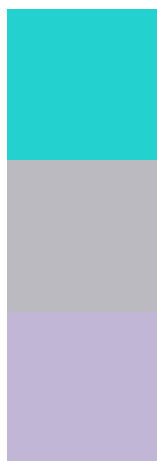


This preview shows how white text looks on a background with the Yxy color 50.4632, 0.2284, 0.3316.

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

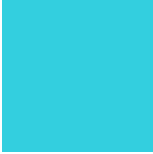
50.4632, 0.2284, 0.3316

Protanopia

49.6594, 0.3090, 0.3202

Deuteranopia

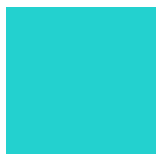
49.5974, 0.2981, 0.2914



Tritanopia

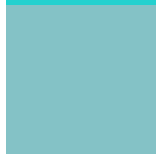
50.6572, 0.2238, 0.3065

Trichromacy



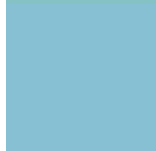
Original Color

50.4632, 0.2284, 0.3316



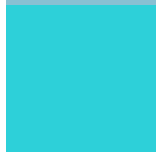
Protanomaly

47.5663, 0.2651, 0.3233



Deuteranomaly

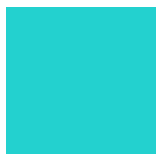
47.6367, 0.2595, 0.3033



Tritanomaly

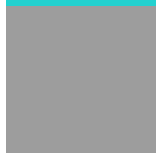
50.6794, 0.2255, 0.3160

Monochromacy



Original Color

50.4632, 0.2284, 0.3316



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.6565, 0.2639, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4632, 0.2284, 0.3316 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(35, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(35, 209, 207)  
}
```

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(35, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 209, 207) }
```

Border

The CSS property to change the border of an element to Yxy 50.4632, 0.2284, 0.3316 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(35, 209, 207) }
```

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

```
.border{ border-color:rgb(35, 209, 207) }
```

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

Here you see how a box with a 4 pixel rgb(35, 209, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(35, 209,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4632, 0.2284, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 209, 207) }
```

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

```
.background{ background-color: rgb(35, 209,  
207) }
```

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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