

Converting Colors

$Yxy(50.2188, 0.2368, 0.3171)$

Have a look what the booklet for
Yxy(50.2188, 0.2368, 0.3171)
contains.

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Color

Yxy(50.3980, 0.2369, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	55CDD5
RGB	85, 205, 213
RGB Percent	33%, 80%, 84%
CMY	0.6664, 0.1961, 0.1647
CMYK	0.60, 0.04, 0.00, 0.16
HSL	184°, 60%, 58%
HSV	184°, 60%, 84%
XYZ	37.5922, 50.3980, 70.6937
YIQ	170.0320, -74.0880, -22.9520

Conversions

Conversions Part 2

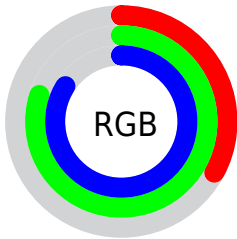
Format	Color
RYB	85, 147, 213
Decimal	5623253
CIELab	76.31, -30.88, -14.02
CIELCh	76, 33.915, 204.422
Yxy	50.3980, 0.2369, 0.3176
Android (android.graphics.Color)	4283813333 (0xFF55CDD5)
YUV	170.0320, 21.1832, -74.5731
Hunter-Lab	70.9915, -29.7140, -9.3471

Details

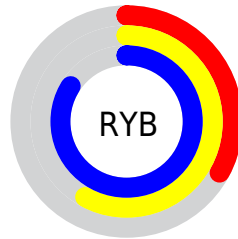
The Yxy color **50.3980, 0.2369, 0.3176** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.6452, 0.4934, 0.3385**, and the grayscale version is **40.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **24.2813, 0.2204, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **48.9130, 0.2298, 0.3155**, and if you desaturate by 10%, it is **52.1923, 0.2459, 0.3197**.

Distribution



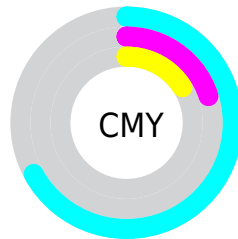
- Red (33%)
- Green (80%)
- Blue (84%)



- Red (33%)
- Yellow (58%)
- Blue (84%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (67%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3980, 0.2369, 0.3176 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 50.3980, 0.2369, 0.3176 by changing the saturation by 10% instead.


 50.3980, 0.2369,
0.3176


 50.3980, 0.2369,
0.3176


388.2203, 0.2733,
0.3243


 35.7297, 0.2283,
0.3157


 90.7643, 0.2498,
0.3202


 24.2255, 0.2176,
0.3131


 117.2311, 0.2547,
0.3211

 15.5010, 0.2039,
0.3094


 148.3996, 0.2589,
0.3219

 9.1718, 0.1857,
0.3039

 184.6541, 0.2626,
0.3225

 4.8534, 0.1607,
0.2950

226.3790, 0.2657,
0.3231

 2.1615, 0.1250,
0.2791

273.9588, 0.2686,

 0.6989, 0.0000,

0.3235

0.2620

327.7777, 0.2711,
0.3239

0.0000, 0.0000,
0.0000

50.3980, 0.2369,
0.3176

50.3980, 0.2369,
0.3176

48.9130, 0.2298,
0.3155

52.1923, 0.2459,
0.3197

47.7036, 0.2245,
0.3133

54.3146, 0.2567,
0.3218

46.7389, 0.2212,
0.3112

56.7887, 0.2691,
0.3237

45.9625, 0.2192,
0.3092

59.6345, 0.2827,
0.3256

62.8707, 0.2973,
0.3274

■ 66.5144, 0.3126,
0.3290

■ 70.5818, 0.3283,
0.3305

■ 74.9978, 0.3438,
0.3318

■ 75.6816, 0.3436,
0.3331

Harmonies

Analogous

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



50.3980, 0.2648, 0.3635



50.3980, 0.2369, 0.3176



50.3980, 0.2283, 0.2797

Triad

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



50.3980, 0.2369, 0.3176



50.3980, 0.3134, 0.2697



50.3980, 0.3886, 0.3989

Complementary

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



50.3980, 0.2369, 0.3176



22.6452, 0.4934, 0.3385

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.



50.3980, 0.4049, 0.3684



50.3980, 0.2369, 0.3176



50.3980, 0.3599, 0.2966

Square

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



50.3980, 0.2369, 0.3176



50.3980, 0.2698, 0.2559



50.3980, 0.3945, 0.3317



50.3980, 0.3522, 0.4126

Rectangle

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



50.3980, 0.2369, 0.3176



50.3980, 0.2338, 0.2636



50.3980, 0.3945, 0.3317



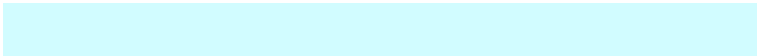
50.3980, 0.3968, 0.3900

Sweetspot

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



50.3999, 0.2369, 0.3176



90.4921, 0.2854, 0.3260



50.2850, 0.3009, 0.5136



19.0802, 0.2812, 0.3254



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.



50.3999, 0.2369, 0.3176



72.9867, 0.2282, 0.3149



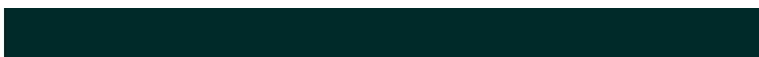
26.2765, 0.2155, 0.2218



13.9686, 0.2983, 0.3275



28.1337, 0.2193, 0.3095



1.7380, 0.2203, 0.3131

Inverse Universe

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



25.0626, 0.3280, 0.1971



32.3200, 0.3314, 0.1792



38.3899, 0.4389, 0.4122



12.6187, 0.3147, 0.3074



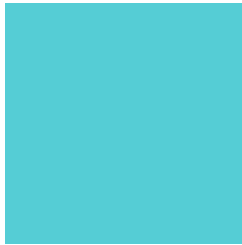
11.1850, 0.3371, 0.1631



0.6788, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 50.3980, 0.2369, 0.3176 looks on a white background.

Color Contrast Check

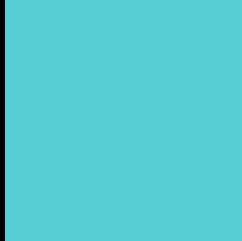
Large Text (above 18pt) WCAG AA × Fail

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 50.3980, 0.2369, 0.3176 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 50.3980, 0.2369, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 50.3980, 0.2369, 0.3176.

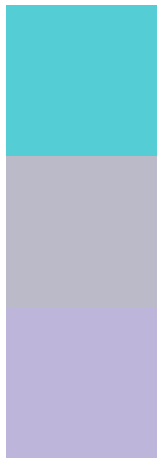


This preview shows how white text looks on a background with the Yxy color 50.3980, 0.2369, 0.3176.

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

50.3980, 0.2369, 0.3176

Protanopia

49.7740, 0.3014, 0.3102

Deuteranopia

49.4650, 0.2921, 0.2854



Tritanopia

50.4277, 0.2344, 0.3068

Trichromacy



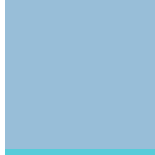
Original Color

50.3980, 0.2369, 0.3176



Protanomaly

48.9373, 0.2717, 0.3129



Deuteranomaly

48.4602, 0.2664, 0.2951



Tritanomaly

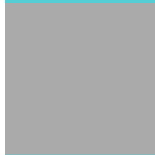
50.2217, 0.2354, 0.3108

Monochromacy



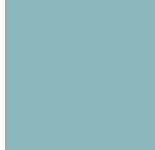
Original Color

50.3980, 0.2369, 0.3176



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.9011, 0.2758, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3980, 0.2369, 0.3176 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(85, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(85, 205, 213)  
}
```

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(85, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 205, 213) }
```

Border

The CSS property to change the border of an element to Yxy 50.3980, 0.2369, 0.3176 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(85, 205, 213) }
```

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

```
.border{ border-color:rgb(85, 205, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(85, 205,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3980, 0.2369, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 205, 213) }
```

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

```
.background{ background-color: rgb(85, 205,  
213) }
```

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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