

Converting Colors

$Yxy(50.7342, 0.2463, 0.3273)$

Have a look what the booklet for
Yxy(50.7342, 0.2463, 0.3273)
contains.

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Color

Yxy(50.8282, 0.2462, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	64CDCE
RGB	100, 205, 206
RGB Percent	39%, 80%, 81%
CMY	0.6081, 0.1960, 0.1921
CMYK	0.51, 0.00, 0.00, 0.19
HSL	181°, 52%, 60%
HSV	181°, 51%, 81%
XYZ	38.2221, 50.8282, 66.1978
YIQ	173.7190, -62.9010, -21.9490

Conversions

Conversions Part 2

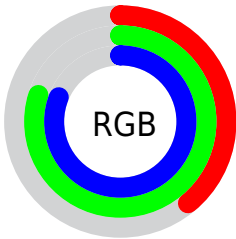
Format	Color
RYB	100, 153, 206
Decimal	6606286
CIELab	76.57, -29.97, -9.82
CIElCh	77, 31.538, 198.139
Yxy	50.8282, 0.2462, 0.3274
Android (android.graphics.Color)	4284796366 (0xFF64CDCE)
YUV	173.7190, 15.9145, -64.6516
Hunter-Lab	71.2939, -29.0670, -5.1462

Details

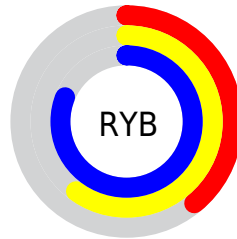
The Yxy color **50.8282, 0.2462, 0.3274** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.3357, 0.4591, 0.3307**, and the grayscale version is **42.1085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **24.3868, 0.2287, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **49.7081, 0.2381, 0.3271**, and if you desaturate by 10%, it is **52.2492, 0.2562, 0.3277**.

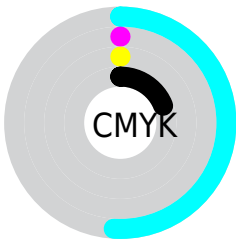
Distribution



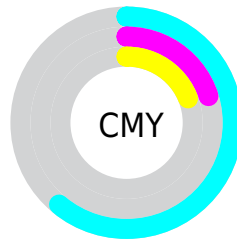
- Red (39%)
- Green (80%)
- Blue (81%)



- Red (39%)
- Yellow (60%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (61%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8282, 0.2462, 0.3274 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 50.8282, 0.2462, 0.3274 by changing the saturation by 10% instead.


 50.8282, 0.2462,
0.3274


 50.8282, 0.2462,
0.3274

389.8959, 0.2783,
0.3290

 36.0719, 0.2386,
0.3268


 91.4008, 0.2576,
0.3281

 24.4897, 0.2290,
0.3259


 117.9858, 0.2619,
0.3284

 15.6973, 0.2166,
0.3245


 149.2826, 0.2657,
0.3285

 9.3102, 0.2001,
0.3222

 185.6755, 0.2689,
0.3287

 4.9441, 0.1771,
0.3181

227.5489, 0.2717,
0.3288

 2.2145, 0.1433,
0.3098

275.2871, 0.2741,

 0.7279, 0.0000,

0.3288

0.3159

329.2747, 0.2763,
0.3289

0.0000, 0.0000,
0.0000

50.8282, 0.2462,
0.3274

50.8282, 0.2462,
0.3274

49.7081, 0.2381,
0.3271

52.2492, 0.2562,
0.3277

48.8602, 0.2319,
0.3267

53.9857, 0.2678,
0.3281

48.2603, 0.2275,
0.3264

56.0584, 0.2809,
0.3284

47.8771, 0.2250,
0.3261

58.4844, 0.2952,
0.3287

47.6743, 0.2239,
0.3259

61.2797, 0.3104,
0.3290

■ 64.4595, 0.3261,
0.3292

■ 68.0379, 0.3422,
0.3295

■ 70.1350, 0.3506,
0.3297

■ 70.2293, 0.3506,
0.3299

Harmonies

Analogous

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



50.8282, 0.2757, 0.3693



50.8282, 0.2462, 0.3274



50.8282, 0.2341, 0.2897

Triad

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



50.8282, 0.2462, 0.3274



50.8282, 0.3044, 0.2697



50.8282, 0.3883, 0.3893

Complementary

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



50.8282, 0.2462, 0.3274



23.3357, 0.4591, 0.3307

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.



50.8282, 0.3983, 0.3592



50.8282, 0.2462, 0.3274



50.8282, 0.3480, 0.2928

Square

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



50.8282, 0.2462, 0.3274



50.8282, 0.2658, 0.2599



50.8282, 0.3833, 0.3246



50.8282, 0.3578, 0.4056

Rectangle

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



50.8282, 0.2462, 0.3274



50.8282, 0.2366, 0.2722



50.8282, 0.3833, 0.3246



50.8282, 0.3943, 0.3803

Sweetspot

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



50.8302, 0.2462, 0.3274



93.2228, 0.2898, 0.3286



47.7736, 0.3051, 0.4921



19.7734, 0.2868, 0.3285



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.



50.8302, 0.2462, 0.3274



80.3253, 0.2372, 0.3270



29.9343, 0.2306, 0.2486



12.7081, 0.2984, 0.3287



29.3601, 0.2239, 0.3259



1.5206, 0.2240, 0.3265

Inverse Universe

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



26.6319, 0.3195, 0.2074



36.9150, 0.3208, 0.1870



36.8150, 0.4207, 0.3957



11.4019, 0.3139, 0.3064



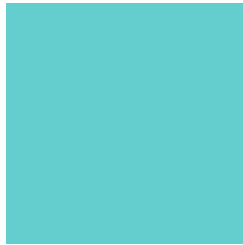
10.7669, 0.3233, 0.1554



0.5561, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 50.8282, 0.2462, 0.3274 looks on a white background.

Color Contrast Check

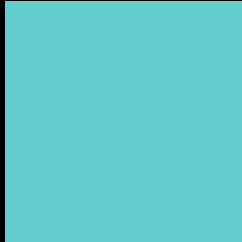
Large Text (above 18pt) WCAG AA × Fail

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 50.8282, 0.2462, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

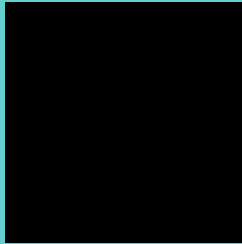
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

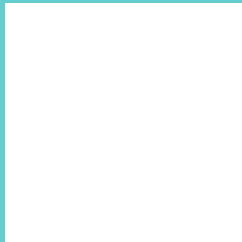
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8282, 0.2462, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 50.8282, 0.2462, 0.3274.

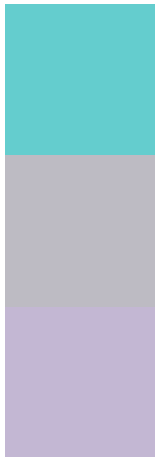


This preview shows how white text looks on a background with the Yxy color 50.8282, 0.2462, 0.3274.

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

50.8282, 0.2462, 0.3274

Protanopia

50.2996, 0.3083, 0.3190

Deuteranopia

50.1722, 0.3012, 0.2952



Tritanopia

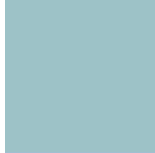
50.8296, 0.2415, 0.3071

Trichromacy



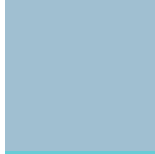
Original Color

50.8282, 0.2462, 0.3274



Protanomaly

49.8752, 0.2811, 0.3223



Deuteranomaly

49.3386, 0.2764, 0.3056



Tritanomaly

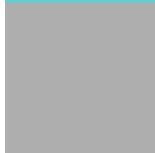
50.9243, 0.2433, 0.3151

Monochromacy



Original Color

50.8282, 0.2462, 0.3274



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.4461, 0.2818, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8282, 0.2462, 0.3274 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(100, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 205, 206)  
}
```

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(100, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 205, 206) }
```

Border

The CSS property to change the border of an element to Yxy 50.8282, 0.2462, 0.3274 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(100, 205, 206) }
```

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

```
.border{ border-color:rgb(100, 205, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 205, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(100, 205,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8282, 0.2462, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 205, 206) }
```

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

```
.background{ background-color: rgb(100,  
205, 206) }
```

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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