

Converting Colors

$Y_{xy}(56.0525, 0.2582, 0.3278)$

Have a look what the booklet for
Yxy(56.0525, 0.2582, 0.3278)
contains.

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Color

Yxy(55.9312, 0.2581, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	80D3D4
RGB	128, 211, 212
RGB Percent	50%, 83%, 83%
CMY	0.4981, 0.1725, 0.1685
CMYK	0.40, 0.00, 0.00, 0.17
HSL	181°, 49%, 67%
HSV	181°, 40%, 83%
XYZ	44.0789, 55.9312, 70.7722
YIQ	186.2970, -49.7890, -17.2850

Conversions

Conversions Part 2

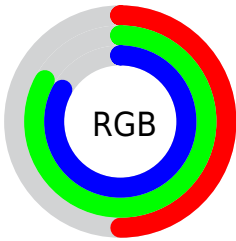
Format	Color
R _Y B	128, 170, 212
Decimal	8442836
CIE Lab	79.57, -24.94, -8.46
CIE LCh	80, 26.336, 198.743
Yxy	55.9312, 0.2581, 0.3275
Android (android.graphics.Color)	4286632916 (0xFF80D3D4)
YUV	186.2970, 12.6716, -51.1265
Hunter-Lab	74.7872, -25.6712, -3.7560

Details

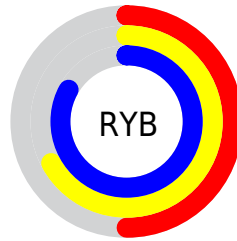
The Yxy color **55.9312, 0.2581, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.2560, 0.4114, 0.3306**, and the grayscale version is **49.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **27.5890, 0.2447, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **54.3309, 0.2478, 0.3271**, and if you desaturate by 10%, it is **57.8796, 0.2701, 0.3279**.

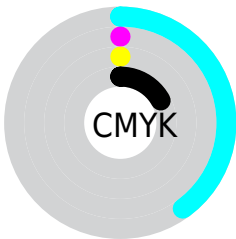
Distribution



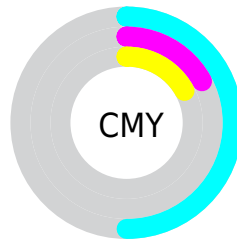
- Red (50%)
- Green (83%)
- Blue (83%)



- Red (50%)
- Yellow (67%)
- Blue (83%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (50%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9312, 0.2581, 0.3275 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 55.9312, 0.2581, 0.3275 by changing the saturation by 10% instead.

 55.9312, 0.2581,
0.3275

 55.9312, 0.2581,
0.3275


409.4322, 0.2841,
0.3287

 40.1478, 0.2520,
0.3271


 98.9040, 0.2673,
0.3281

 27.6538, 0.2443,
0.3264


 126.8621, 0.2708,
0.3282

 18.0648, 0.2345,
0.3255


 159.6473, 0.2738,
0.3284

 10.9965, 0.2214,
0.3239

197.6438, 0.2764,
0.3285

 6.0645, 0.2032,
0.3213

241.2362, 0.2787,
0.3286

 2.8843, 0.1765,
0.3162

290.8088, 0.2807,

 1.0717, 0.1157,

0.3286

0.3110

346.7460, 0.2825,
0.3287

0.0000, 0.0000,
0.0000

55.9312, 0.2581,
0.3275

55.9312, 0.2581,
0.3275

54.3309, 0.2478,
0.3271

57.8796, 0.2701,
0.3279

53.0504, 0.2393,
0.3267

60.1892, 0.2835,
0.3283

52.0681, 0.2327,
0.3263


62.8803, 0.2980,
0.3287

51.3564, 0.2280,
0.3258


65.9700, 0.3133,
0.3290

50.8832, 0.2251,
0.3255

69.4743, 0.3291,
0.3293

 50.5919, 0.2237,
0.3251

 73.3723, 0.3450,
0.3296

 50.5825, 0.2236,
0.3251

 73.5007, 0.3450,
0.3299

 73.6293, 0.3450,
0.3301

 73.7581, 0.3449,
0.3304

Harmonies

Analogous

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



55.9312, 0.2823, 0.3607



55.9312, 0.2581, 0.3275



55.9312, 0.2482, 0.2971

Triad

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



55.9312, 0.2581, 0.3275



55.9312, 0.3069, 0.2805



55.9312, 0.3738, 0.3789

Complementary

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



55.9312, 0.2581, 0.3275



31.2560, 0.4114, 0.3306

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.



55.9312, 0.3818, 0.3549



55.9312, 0.2581, 0.3275



55.9312, 0.3421, 0.2999

Square

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



55.9312, 0.2581, 0.3275



55.9312, 0.2751, 0.2723



55.9312, 0.3701, 0.3264



55.9312, 0.3491, 0.3908

Rectangle

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



55.9312, 0.2581, 0.3275



55.9312, 0.2504, 0.2827



55.9312, 0.3701, 0.3264



55.9312, 0.3786, 0.3718

Sweetspot

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



55.9334, 0.2581, 0.3275



94.4160, 0.2943, 0.3286



53.2423, 0.3070, 0.4498



20.0903, 0.2923, 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.



55.9334, 0.2581, 0.3275



82.7555, 0.2488, 0.3271



38.0908, 0.2493, 0.2701



14.0809, 0.2983, 0.3287



31.2320, 0.2236, 0.3251



1.8922, 0.2238, 0.3258

Inverse Universe

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



34.1358, 0.3182, 0.2330



45.0510, 0.3194, 0.2136



44.3068, 0.3906, 0.3810



12.6300, 0.3140, 0.3063



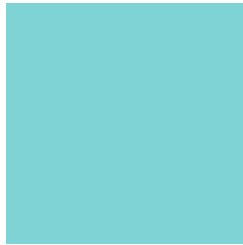
11.4977, 0.3239, 0.1558



0.6943, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 55.9312, 0.2581, 0.3275 looks on a white background.

Color Contrast Check

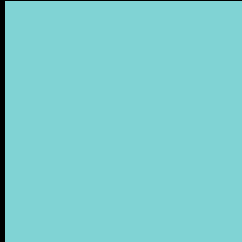
Large Text (above 18pt) WCAG AA × Fail

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 55.9312, 0.2581, 0.3275 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

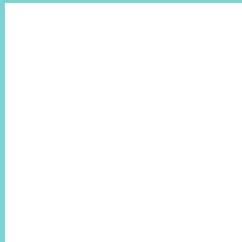
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9312, 0.2581, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 55.9312, 0.2581, 0.3275.

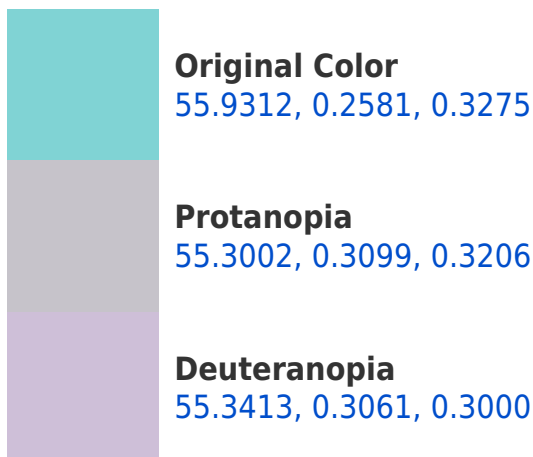


This preview shows how white text looks on a background with the Yxy color 55.9312, 0.2581, 0.3275.

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





Tritanopia

55.9974, 0.2525, 0.3070

Trichromacy



Original Color

55.9312, 0.2581, 0.3275

Protanomaly

55.1138, 0.2884, 0.3227

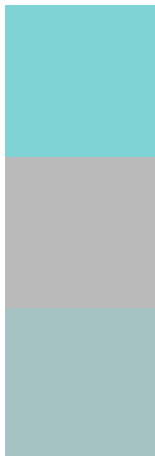
Deuteranomaly

54.7594, 0.2859, 0.3081

Tritanomaly

56.1389, 0.2547, 0.3146

Monochromacy



Original Color

55.9312, 0.2581, 0.3275

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.9697, 0.2896, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9312, 0.2581, 0.3275 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(128, 211, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 211, 212)  
}
```

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(128, 211, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 211, 212) }
```

Border

The CSS property to change the border of an element to Yxy 55.9312, 0.2581, 0.3275 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(128, 211, 212) }
```

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

```
.border{ border-color:rgb(128, 211, 212) }
```

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

Here you see how a box with a 4 pixel rgb(128, 211, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 211, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 211, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 211,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9312, 0.2581, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 211, 212) }
```

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

```
.background{ background-color: rgb(128,  
211, 212) }
```

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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