

Converting Colors

$Y_{xy}(57.6272, 0.2659, 0.3455)$

Have a look what the booklet for
Yxy(57.6272, 0.2659, 0.3455)
contains.

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Color

Yxy(57.6904, 0.2659, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	83D7CA
RGB	131, 215, 202
RGB Percent	51%, 84%, 79%
CMY	0.4862, 0.1569, 0.2078
CMYK	0.39, 0.00, 0.06, 0.16
HSL	171°, 51%, 68%
HSV	171°, 39%, 84%
XYZ	44.3221, 57.6904, 64.6746
YIQ	188.4020, -45.8910, -21.8510

Conversions

Conversions Part 2

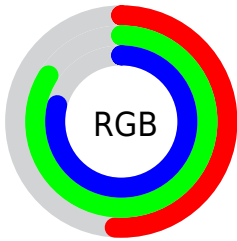
Format	Color
RYB	131, 177, 215
Decimal	8640458
CIELab	80.57, -28.50, -1.63
CIElCh	81, 28.550, 183.267
Yxy	57.6904, 0.2659, 0.3461
Android (android.graphics.Color)	4286830538 (0xFF83D7CA)
YUV	188.4020, 6.7038, -50.3416
Hunter-Lab	75.9542, -28.7585, 2.6828

Details

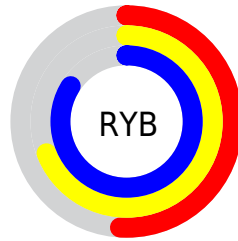
The Yxy color **57.6904, 0.2659, 0.3461** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6979, 0.3944, 0.3132**, and the grayscale version is **50.5132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **28.8162, 0.2542, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **55.9942, 0.2568, 0.3512**, and if you desaturate by 10%, it is **59.7508, 0.2764, 0.3412**.

Distribution



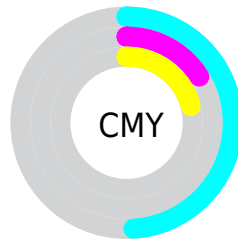
- Red (51%)
- Green (84%)
- Blue (79%)



- Red (51%)
- Yellow (69%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (49%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6904, 0.2659, 0.3461 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 57.6904, 0.2659, 0.3461 by changing the saturation by 10% instead.


 57.6904, 0.2659,
0.3461


 57.6904, 0.2659,
0.3461


416.0313, 0.2883,
0.3380


 41.5598, 0.2606,
0.3480


 101.4719, 0.2738,
0.3433

 28.7568, 0.2539,
0.3503


 129.8915, 0.2769,
0.3422

 18.8969, 0.2454,
0.3533


 163.1763, 0.2795,
0.3412

 11.5958, 0.2339,
0.3573

201.7107, 0.2817,
0.3404

 6.4691, 0.2178,
0.3628

245.8790, 0.2837,
0.3397

 3.1324, 0.1937,
0.3707

296.0656, 0.2854,

 1.2012, 0.1355,

0.3391

352.6549, 0.2869,
0.3385

0.3913

0.0627, 0.0000,
0.2562

0.0000, 0.0000,
0.0000

57.6904, 0.2659,
0.3461

57.6904, 0.2659,
0.3461

55.9942, 0.2568,
0.3512

59.7508, 0.2764,
0.3412

54.6330, 0.2494,
0.3566

62.1889, 0.2882,
0.3367

53.5846, 0.2439,
0.3621

65.0256, 0.3008,
0.3325

52.8207, 0.2403,
0.3676

68.2785, 0.3140,
0.3287

■ 52.3081, 0.2387,
0.3731

■ 71.9642, 0.3275,
0.3252

■ 51.9935, 0.2386,
0.3786

■ 75.1345, 0.3374,
0.3221

■ 51.9677, 0.2386,
0.3791

■ 75.3148, 0.3351,
0.3187

■ 75.4986, 0.3327,
0.3154

■ 75.6859, 0.3303,
0.3121

Harmonies

Analogous

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



57.6904, 0.2976, 0.3785



57.6904, 0.2659, 0.3461



57.6904, 0.2471, 0.3104

Triad

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



57.6904, 0.2659, 0.3461



57.6904, 0.2878, 0.2710



57.6904, 0.3853, 0.3700

Complementary

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



57.6904, 0.2659, 0.3461



32.6979, 0.3944, 0.3132

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.



57.6904, 0.3831, 0.3409



57.6904, 0.2659, 0.3461



57.6904, 0.3249, 0.2860

Square

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



57.6904, 0.2659, 0.3461



57.6904, 0.2591, 0.2695



57.6904, 0.3604, 0.3109



57.6904, 0.3670, 0.3907

Rectangle

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



57.6904, 0.2659, 0.3461



57.6904, 0.2436, 0.2907



57.6904, 0.3604, 0.3109



57.6904, 0.3870, 0.3609

Sweetspot

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



57.6927, 0.2659, 0.3461



94.3499, 0.2968, 0.3337



56.2620, 0.3167, 0.4445



20.0747, 0.2952, 0.3343



0.0000, 0.0000, 0.0000



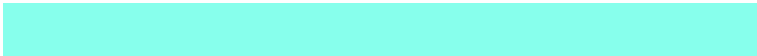
21.4041, 0.3127, 0.3290

Same Dimension

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



57.6927, 0.2659, 0.3461



82.7653, 0.2582, 0.3504



45.2761, 0.2532, 0.2909



14.0733, 0.3003, 0.3326



31.0950, 0.2384, 0.3782



1.8846, 0.2358, 0.3688

Inverse Universe

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



32.6979, 0.3944, 0.3132



40.9532, 0.4219, 0.3100



40.8862, 0.3960, 0.3637



12.4518, 0.3267, 0.3254



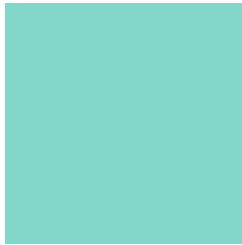
8.7177, 0.6173, 0.3174



0.5359, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 57.6904, 0.2659, 0.3461 looks on a white background.

Color Contrast Check

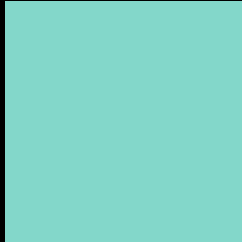
Large Text (above 18pt) WCAG AA × Fail

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 57.6904, 0.2659, 0.3461 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

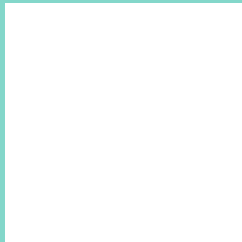
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6904, 0.2659, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 57.6904, 0.2659, 0.3461.

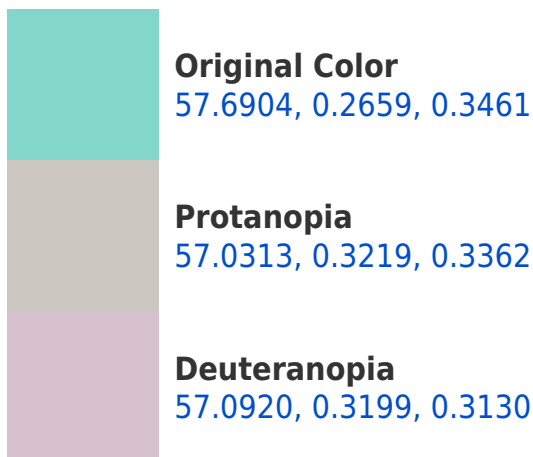


This preview shows how white text looks on a background with the Yxy color 57.6904, 0.2659, 0.3461.

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

57.5932, 0.2550, 0.3074

Trichromacy



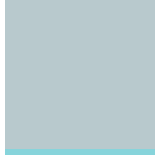
Original Color

57.6904, 0.2659, 0.3461



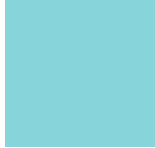
Protanomaly

56.5184, 0.2980, 0.3390



Deuteranomaly

56.3714, 0.2970, 0.3240



Tritanomaly

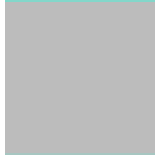
57.3523, 0.2583, 0.3198

Monochromacy



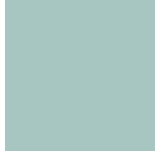
Original Color

57.6904, 0.2659, 0.3461



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.4539, 0.2926, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6904, 0.2659, 0.3461 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(131, 215, 202)` looks like.

```
.text, #text, p{  
    color:rgb(131, 215, 202)  
}
```

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(131, 215, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 215, 202) }
```

Border

The CSS property to change the border of an element to Yxy 57.6904, 0.2659, 0.3461 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(131, 215, 202) }
```

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

```
.border{ border-color:rgb(131, 215, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 215, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 215, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 215, 202);  
box-shadow:4px 4px 4px 4px rgb(131, 215,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6904, 0.2659, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 215, 202) }
```

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

```
.background{ background-color: rgb(131,  
215, 202) }
```

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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