

Converting Colors

$Y_{xy}(57.7056, 0.2655, 0.3393)$

Have a look what the booklet for
Yxy(57.7056, 0.2655, 0.3393)
contains.

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Color

Yxy(57.7003, 0.2657, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	87D6CE
RGB	135, 214, 206
RGB Percent	53%, 84%, 81%
CMY	0.4708, 0.1607, 0.1922
CMYK	0.37, 0.00, 0.04, 0.16
HSL	174°, 49%, 68%
HSV	174°, 37%, 84%
XYZ	45.1708, 57.7003, 67.1357
YIQ	189.4670, -44.5160, -19.2360

Conversions

Conversions Part 2

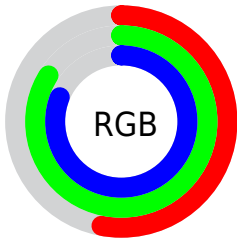
Format	Color
RYB	135, 177, 214
Decimal	8902350
CIELab	80.57, -26.07, -3.72
CIElCh	81, 26.332, 188.129
Yxy	57.7003, 0.2657, 0.3394
Android (android.graphics.Color)	4287092430 (0xFF87D6CE)
YUV	189.4670, 8.1508, -47.7676
Hunter-Lab	75.9607, -26.7844, 0.7708

Details

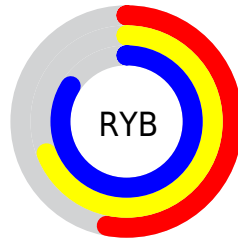
The Yxy color **57.7003, 0.2657, 0.3394** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5959, 0.3929, 0.3193**, and the grayscale version is **51.1364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **28.7687, 0.2536, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **55.9980, 0.2558, 0.3427**, and if you desaturate by 10%, it is **59.7654, 0.2770, 0.3363**.

Distribution



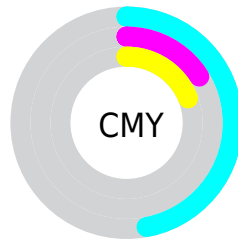
- Red (53%)
- Green (84%)
- Blue (81%)



- Red (53%)
- Yellow (69%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)





- Cyan (47%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7003, 0.2657, 0.3394 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 57.7003, 0.2657, 0.3394 by changing the saturation by 10% instead.


 57.7003, 0.2657,
0.3394

 57.7003, 0.2657,
0.3394


416.0683, 0.2881,
0.3347


 41.5678, 0.2604,
0.3405


 101.4863, 0.2736,
0.3378

 28.7630, 0.2538,
0.3417


 129.9085, 0.2767,
0.3371

 18.9016, 0.2452,
0.3433


 163.1961, 0.2793,
0.3366

 11.5992, 0.2338,
0.3454

201.7335, 0.2815,
0.3361

 6.4714, 0.2179,
0.3480

245.9050, 0.2835,
0.3357

 3.1338, 0.1942,
0.3514

296.0950, 0.2852,

 1.2020, 0.1428,

0.3353

0.3607

352.6880, 0.2868,
0.3350

0.0633, 0.0000,
0.1613

0.0000, 0.0000,
0.0000

57.7003, 0.2657,
0.3394

57.7003, 0.2657,
0.3394

55.9980, 0.2558,
0.3427

59.7654, 0.2770,
0.3363

54.6302, 0.2477,
0.3461

62.2060, 0.2896,
0.3334

53.5752, 0.2414,
0.3495

65.0429, 0.3030,
0.3307

52.8061, 0.2370,
0.3531

68.2931, 0.3171,
0.3283

■ 52.2914, 0.2345,
0.3566

■ 71.9726, 0.3315,
0.3261

■ 51.9898, 0.2337,
0.3600

■ 74.4763, 0.3397,
0.3240

■ 51.9180, 0.2336,
0.3611

■ 74.5916, 0.3381,
0.3218

■ 74.7084, 0.3366,
0.3196

■ 74.8268, 0.3350,
0.3175

Harmonies

Analogous

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



57.7003, 0.2936, 0.3703



57.7003, 0.2657, 0.3394



57.7003, 0.2505, 0.3072

Triad

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



57.7003, 0.2657, 0.3394



57.7003, 0.2950, 0.2767



57.7003, 0.3781, 0.3710

Complementary

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



57.7003, 0.2657, 0.3394



33.5959, 0.3929, 0.3193

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.



57.7003, 0.3792, 0.3449



57.7003, 0.2657, 0.3394



57.7003, 0.3297, 0.2923

Square

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



57.7003, 0.2657, 0.3394



57.7003, 0.2667, 0.2732



57.7003, 0.3611, 0.3167



57.7003, 0.3588, 0.3878

Rectangle

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



57.7003, 0.2657, 0.3394



57.7003, 0.2490, 0.2901



57.7003, 0.3611, 0.3167



57.7003, 0.3807, 0.3629

Sweetspot

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



57.7026, 0.2657, 0.3394



94.8805, 0.2973, 0.3318



55.7935, 0.3138, 0.4382



20.1845, 0.2955, 0.3322



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.



57.7026, 0.2657, 0.3394



83.8491, 0.2582, 0.3418



44.1623, 0.2555, 0.2878



14.0851, 0.2996, 0.3314



31.3853, 0.2335, 0.3606



1.8994, 0.2318, 0.3546

Inverse Universe

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



33.5959, 0.3929, 0.3193



43.1847, 0.4181, 0.3174



43.0503, 0.3883, 0.3665



12.4411, 0.3275, 0.3267



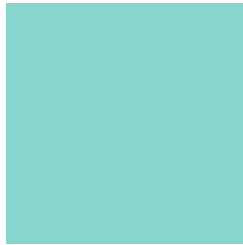
8.6827, 0.6274, 0.3230



0.5308, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 57.7003, 0.2657, 0.3394 looks on a white background.

Color Contrast Check

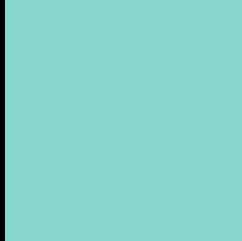
Large Text (above 18pt) WCAG AA × Fail

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 57.7003, 0.2657, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

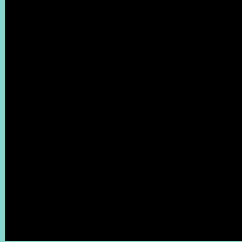
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

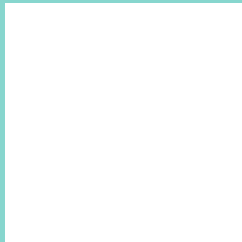
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7003, 0.2657, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 57.7003, 0.2657, 0.3394.

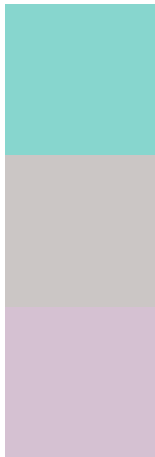


This preview shows how white text looks on a background with the Yxy color 57.7003, 0.2657, 0.3394.

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

57.7003, 0.2657, 0.3394

Protanopia

57.1159, 0.3174, 0.3302

Deuteranopia

56.9392, 0.3160, 0.3095



Tritanopia

57.7654, 0.2561, 0.3074

Trichromacy



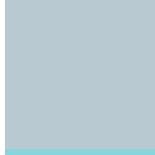
Original Color

57.7003, 0.2657, 0.3394



Protanomaly

56.8208, 0.2961, 0.3339



Deuteranomaly

56.6910, 0.2951, 0.3192



Tritanomaly

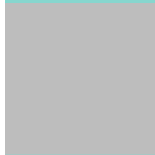
57.6575, 0.2594, 0.3186

Monochromacy



Original Color

57.7003, 0.2657, 0.3394



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.7633, 0.2927, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7003, 0.2657, 0.3394 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(135, 214, 206)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 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(135, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.7003, 0.2657, 0.3394 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(135, 214, 206) }
```

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

```
.border{ border-color:rgb(135, 214, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7003, 0.2657, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 206) }
```

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

```
.background{ background-color: rgb(135,  
214, 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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