

# Converting Colors

$Yxy(58.8002, 0.2715, 0.3432)$

Have a look what the booklet for  
Yxy(58.8002, 0.2715, 0.3432)  
contains.

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# Color

**Yxy(58.8002, 0.2715, 0.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FD7CC
RGB	143, 215, 204
RGB Percent	56%, 84%, 80%
CMY	0.4395, 0.1568, 0.2001
CMYK	0.34, 0.00, 0.05, 0.16
HSL	171°, 47%, 70%
HSV	171°, 34%, 84%
XYZ	46.5159, 58.8002, 66.0132
YIQ	192.2180, -39.3810, -18.6850

# Conversions

## Conversions Part 2

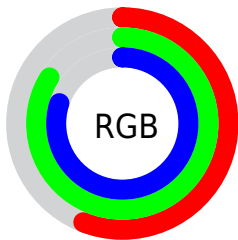
Format	Color
<b>RYB</b>	143, 182, 215
Decimal	9426892
CIELab	81.18, -24.86, -1.72
CIElCh	81, 24.920, 183.953
Yxy	58.8002, 0.2715, 0.3432
Android (android.graphics.Color)	4287616972 (0xFF8FD7CC)
YUV	192.2180, 5.8085, -43.1642
Hunter-Lab	76.6813, -25.9118, 2.6355

# Details

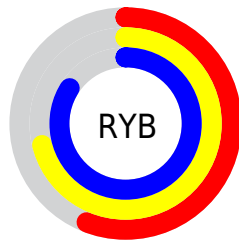
The Yxy color **58.8002, 0.2715, 0.3432** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4052, 0.3786, 0.3156**, and the grayscale version is **52.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **29.4675, 0.2610, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **56.9089, 0.2616, 0.3481**, and if you desaturate by 10%, it is **61.0673, 0.2827, 0.3386**.

# Distribution



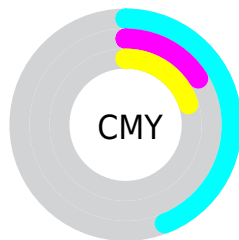
- Red (56%)
- Green (84%)
- Blue (80%)



- Red (56%)
- Yellow (71%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8002, 0.2715, 0.3432 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 58.8002, 0.2715, 0.3432 by changing the saturation by 10% instead.



 58.8002, 0.2715,  
0.3432


 58.8002, 0.2715,  
0.3432


420.1611, 0.2912,  
0.3365

 42.4523, 0.2669,  
0.3448


 103.0872, 0.2785,  
0.3409

 29.4556, 0.2610,  
0.3467


 131.7951, 0.2811,  
0.3400

 19.4258, 0.2535,  
0.3492


165.3918, 0.2834,  
0.3392

 11.9783, 0.2435,  
0.3524

204.2617, 0.2854,  
0.3385

 6.7289, 0.2294,  
0.3569

248.7892, 0.2871,  
0.3379

 3.2932, 0.2083,  
0.3634

299.3587, 0.2886,

 1.2866, 0.1667,

0.3374

0.3765

356.3545, 0.2900,  
0.3369

0.1308, 0.0000,  
0.3326

0.0000, 0.0000,  
0.0000

58.8002, 0.2715,  
0.3432

58.8002, 0.2715,  
0.3432

56.9089, 0.2616,  
0.3481

61.0673, 0.2827,  
0.3386

55.3651, 0.2532,  
0.3533

63.7225, 0.2950,  
0.3343

54.1480, 0.2466,  
0.3587

66.7863, 0.3080,  
0.3303

53.2316, 0.2419,  
0.3641

70.2755, 0.3215,  
0.3267

■ 52.5856, 0.2392,  
0.3696

■ 74.2061, 0.3351,  
0.3235

■ 52.1737, 0.2383,  
0.3750

■ 75.2378, 0.3362,  
0.3203

■ 51.9922, 0.2385,  
0.3785

■ 75.4179, 0.3338,  
0.3170

■ 75.6014, 0.3315,  
0.3138

■ 75.7884, 0.3292,  
0.3105

# Harmonies

## Analogous

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



58.8002, 0.2991, 0.3710



58.8002, 0.2715, 0.3432



58.8002, 0.2552, 0.3125

# Triad

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



58.8002, 0.2715, 0.3432



58.8002, 0.2919, 0.2784



58.8002, 0.3755, 0.3656

# Complementary

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



58.8002, 0.2715, 0.3432



36.4052, 0.3786, 0.3156

# 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.



58.8002, 0.3739, 0.3404



58.8002, 0.2715, 0.3432



58.8002, 0.3242, 0.2918

# Square

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



58.8002, 0.2715, 0.3432



58.8002, 0.2665, 0.2769



58.8002, 0.3547, 0.3139



58.8002, 0.3595, 0.3829



# Rectangle

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



58.8002, 0.2715, 0.3432



58.8002, 0.2523, 0.2954



58.8002, 0.3547, 0.3139



58.8002, 0.3770, 0.3578

# Sweetspot

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



58.8026, 0.2715, 0.3432



95.2315, 0.2994, 0.3329



57.5545, 0.3165, 0.4259



20.2508, 0.2976, 0.3334



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.



58.8026, 0.2715, 0.3432



84.5471, 0.2645, 0.3466



47.9972, 0.2613, 0.2971



14.0737, 0.3003, 0.3326



31.1042, 0.2382, 0.3777



1.8851, 0.2356, 0.3683



# Inverse Universe

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



36.4052, 0.3786, 0.3156



46.8926, 0.3986, 0.3128



44.0531, 0.3809, 0.3586



12.4515, 0.3267, 0.3255



8.7164, 0.6177, 0.3176



0.5357, 0.5749, 0.2941



# Previews

## White Background



This preview shows how the Yxy color 58.8002, 0.2715, 0.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

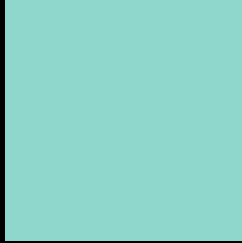
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8002, 0.2715, 0.3432 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 58.8002, 0.2715, 0.3432**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8002, 0.2715, 0.3432.

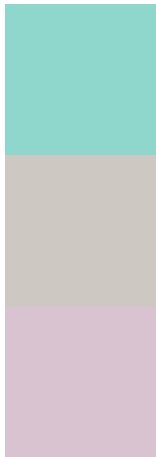


This preview shows how white text looks on a background with the Yxy color 58.8002, 0.2715, 0.3432.

# 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

58.8002, 0.2715, 0.3432

### Protanopia

58.3705, 0.3211, 0.3349

### Deuteranopia

58.3360, 0.3206, 0.3142



## Tritanopia

58.5795, 0.2610, 0.3077

# Trichromacy



## Original Color

58.8002, 0.2715, 0.3432



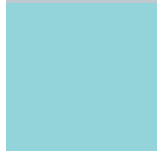
## Protanomaly

57.8071, 0.3011, 0.3376



## Deuteranomaly

57.6932, 0.3001, 0.3229



## Tritanomaly

58.4045, 0.2650, 0.3200

# Monochromacy



## Original Color

58.8002, 0.2715, 0.3432



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.2927, 0.2958, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8002, 0.2715, 0.3432 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(143, 215, 204)` looks like.

```
.text, #text, p{  
    color:rgb(143, 215, 204)  
}
```

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(143, 215, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 215, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8002, 0.2715, 0.3432 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(143, 215, 204) }
```

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

```
.border{ border-color:rgb(143, 215, 204) }
```

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

Here you see how a box with a 4 pixel rgb(143, 215, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 215, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 215, 204);  
box-shadow:4px 4px 4px 4px rgb(143, 215,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8002, 0.2715, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 215, 204) }
```

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

```
.background{ background-color: rgb(143,  
215, 204) }
```

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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