

# Converting Colors

$Yxy(58.7677, 0.2695, 0.3269)$

Have a look what the booklet for  
Yxy(58.7677, 0.2695, 0.3269)  
contains.

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# Color

**Yxy(58.9276, 0.2697, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D5D6
RGB	150, 213, 214
RGB Percent	59%, 84%, 84%
CMY	0.4117, 0.1647, 0.1608
CMYK	0.30, 0.00, 0.00, 0.16
HSL	181°, 44%, 71%
HSV	181°, 30%, 84%
XYZ	48.5127, 58.9276, 72.4363
YIQ	194.2770, -37.8690, -13.0450

# Conversions

## Conversions Part 2

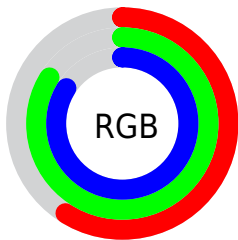
Format	Color
<b>RYB</b>	150, 182, 214
Decimal	9885142
CIELab	81.25, -19.60, -6.92
CIELCh	81, 20.789, 199.438
Yxy	58.9276, 0.2697, 0.3276
Android (android.graphics.Color)	4288075222 (0xFF96D5D6)
YUV	194.2770, 9.7234, -38.8309
Hunter-Lab	76.7643, -21.5309, -2.2122

# Details

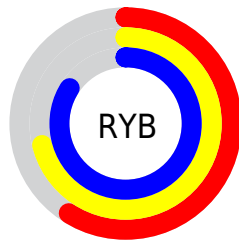
The Yxy color **58.9276, 0.2697, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6417, 0.3789, 0.3304**, and the grayscale version is **54.0836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **29.4437, 0.2590, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **56.9128, 0.2577, 0.3271**, and if you desaturate by 10%, it is **61.3183, 0.2831, 0.3281**.

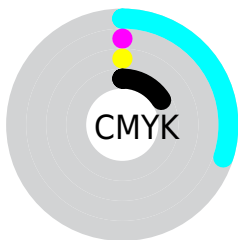
# Distribution



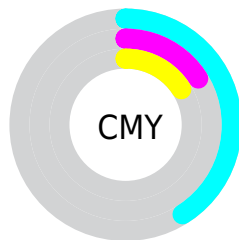
- Red (59%)
- Green (84%)
- Blue (84%)



- Red (59%)
- Yellow (71%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (41%)
- Magenta (16%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9276, 0.2697, 0.3276 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 58.9276, 0.2697, 0.3276 by changing the saturation by 10% instead.




 58.9276, 0.2697,  
0.3276


 58.9276, 0.2697,  
0.3276

420.6336, 0.2901,  
0.3286

 42.5548, 0.2649,  
0.3273


 103.2724, 0.2769,  
0.3280

 29.5360, 0.2589,  
0.3268


 132.0133, 0.2796,  
0.3282

 19.4867, 0.2513,  
0.3262


165.6456, 0.2820,  
0.3283

 12.0225, 0.2411,  
0.3251

204.5539, 0.2841,  
0.3284

 6.7590, 0.2269,  
0.3234

249.1224, 0.2859,  
0.3284

 3.3118, 0.2059,  
0.3202

299.7356, 0.2874,

 1.2966, 0.1706,

0.3285

0.3137

356.7778, 0.2889,  
0.3286

0.1386, 0.0000,  
0.1792

0.0000, 0.0000,  
0.0000

58.9276, 0.2697,  
0.3276

58.9276, 0.2697,  
0.3276

56.9128, 0.2577,  
0.3271

61.3183, 0.2831,  
0.3281

55.2464, 0.2474,  
0.3266

64.0963, 0.2976,  
0.3286

53.9089, 0.2389,  
0.3260

67.2816, 0.3129,  
0.3290

52.8755, 0.2323,  
0.3255

70.8904, 0.3287,  
0.3294

■ 52.1181, 0.2276,  
0.3250

■ 74.5517, 0.3432,  
0.3298

■ 51.6035, 0.2248,  
0.3244

■ 74.7224, 0.3432,  
0.3301

■ 51.2721, 0.2233,  
0.3239

■ 74.8934, 0.3431,  
0.3305

■ 51.2689, 0.2233,  
0.3239

■ 75.0648, 0.3431,  
0.3308

■ 75.2366, 0.3430,  
0.3311

# Harmonies

## Analogous

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



58.9276, 0.2886, 0.3528



58.9276, 0.2697, 0.3276



58.9276, 0.2620, 0.3042

# Triad

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



58.9276, 0.2697, 0.3276



58.9276, 0.3091, 0.2910



58.9276, 0.3599, 0.3685

# Complementary

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



58.9276, 0.2697, 0.3276



38.6417, 0.3789, 0.3304

# 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.



58.9276, 0.3662, 0.3503



58.9276, 0.2697, 0.3276



58.9276, 0.3362, 0.3066

# Square

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



58.9276, 0.2697, 0.3276



58.9276, 0.2840, 0.2845



58.9276, 0.3575, 0.3279



58.9276, 0.3407, 0.3768



# Rectangle

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



58.9276, 0.2697, 0.3276



58.9276, 0.2640, 0.2928



58.9276, 0.3575, 0.3279



58.9276, 0.3636, 0.3632

# Sweetspot

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



58.9300, 0.2697, 0.3276



95.6748, 0.2988, 0.3286



56.7837, 0.3086, 0.4159



20.3389, 0.2966, 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.



58.9300, 0.2697, 0.3276



85.6329, 0.2618, 0.3273



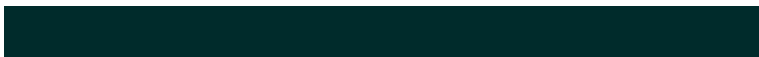
44.8033, 0.2651, 0.2866



14.0729, 0.2983, 0.3286



31.0033, 0.2233, 0.3240



1.8809, 0.2236, 0.3249



# Inverse Universe

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



40.9214, 0.3171, 0.2562



54.6531, 0.3180, 0.2408



49.9610, 0.3680, 0.3679



12.6292, 0.3140, 0.3064



11.4747, 0.3248, 0.1563

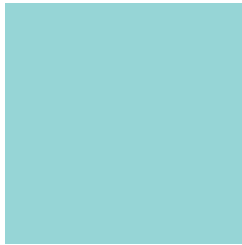


0.6932, 0.3241, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 58.9276, 0.2697, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

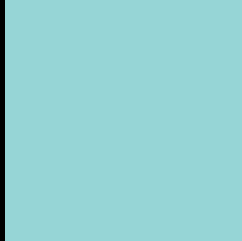
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9276, 0.2697, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

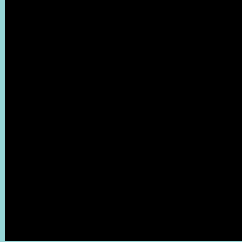
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

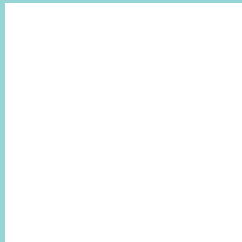
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.9276, 0.2697, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.9276, 0.2697, 0.3276.



This preview shows how white text looks on a background with the Yxy color 58.9276, 0.2697, 0.3276.

# 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

58.9276, 0.2697, 0.3276

### Protanopia

58.4613, 0.3107, 0.3219

### Deuteranopia

58.2383, 0.3100, 0.3029



## Tritanopia

58.9623, 0.2633, 0.3079

# Trichromacy



## Original Color

58.9276, 0.2697, 0.3276

## Protanomaly

58.4564, 0.2944, 0.3241

## Deuteranomaly

58.1980, 0.2934, 0.3111

## Tritanomaly

59.0901, 0.2657, 0.3152

# Monochromacy



## Original Color

58.9276, 0.2697, 0.3276

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

55.4553, 0.2953, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  58.9276, 0.2697, 0.3276 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(150, 213, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 213, 214)  
}
```

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(150, 213, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 213, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9276, 0.2697, 0.3276 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(150, 213, 214) }
```

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

```
.border{ border-color:rgb(150, 213, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 213, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 213, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 213, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 213,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9276, 0.2697, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 213, 214) }
```

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

```
.background{ background-color: rgb(150,  
213, 214) }
```

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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