

# Converting Colors

$Yxy(58.0928, 0.2672, 0.3289)$

Have a look what the booklet for  
Yxy(58.0928, 0.2672, 0.3289)  
contains.

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# Color

**Yxy(58.2713, 0.2673, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D5D4
RGB	144, 213, 212
RGB Percent	56%, 84%, 83%
CMY	0.4355, 0.1646, 0.1687
CMYK	0.32, 0.00, 0.00, 0.16
HSL	179°, 45%, 70%
HSV	179°, 32%, 84%
XYZ	47.1712, 58.2713, 71.0303
YIQ	192.2550, -40.8030, -14.9390

# Conversions

## Conversions Part 2

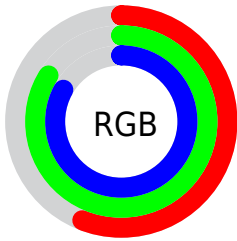
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 179, 213
Decimal	9491924
CIELab	80.89, -21.76, -6.41
CIELCh	81, 22.683, 196.404
Yxy	58.2713, 0.2673, 0.3302
Android (android.graphics.Color)	4287682004 (0xFF90D5D4)
YUV	192.2550, 9.7343, -42.3196
Hunter-Lab	76.3356, -23.2843, -1.7344

# Details

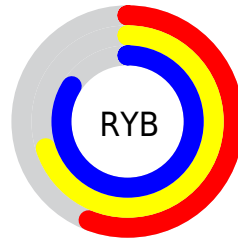
The Yxy color **58.2713, 0.2673, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.1271, 0.3860, 0.3279**, and the grayscale version is **52.8244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **29.0617, 0.2563, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **56.5176, 0.2560, 0.3306**, and if you desaturate by 10%, it is **60.3916, 0.2801, 0.3298**.

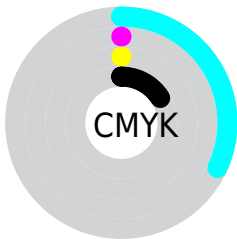
# Distribution



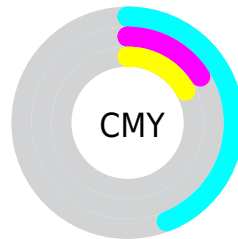
- Red (56%)
- Green (84%)
- Blue (83%)



- Red (56%)
- Yellow (70%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2713, 0.2673, 0.3302 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 58.2713, 0.2673, 0.3302 by changing the saturation by 10% instead.





 58.2713, 0.2673,  
0.3302


 58.2713, 0.2673,  
0.3302


418.1961, 0.2889,  
0.3300

 42.0268, 0.2622,  
0.3302


 102.3178, 0.2749,  
0.3302

 29.1223, 0.2559,  
0.3301


 130.8886, 0.2778,  
0.3302

 19.1733, 0.2478,  
0.3299


164.3370, 0.2803,  
0.3301

 11.7956, 0.2369,  
0.3294

203.0473, 0.2825,  
0.3301

 6.6046, 0.2219,  
0.3285

247.4040, 0.2844,  
0.3301

 3.2161, 0.1995,  
0.3264

297.7914, 0.2861,

 1.2456, 0.1592,

0.3300

0.3227

354.5940, 0.2876,  
0.3300

0.0985, 0.0000,  
0.1507

0.0000, 0.0000,  
0.0000

58.2713, 0.2673,  
0.3302

58.2713, 0.2673,  
0.3302

56.5176, 0.2560,  
0.3306

60.3916, 0.2801,  
0.3298

55.1030, 0.2464,  
0.3311

62.8902, 0.2941,  
0.3294

54.0074, 0.2386,  
0.3316

65.7869, 0.3090,  
0.3291

53.2057, 0.2328,  
0.3320

69.0983, 0.3245,  
0.3288

 52.6691, 0.2289,  
0.3325

 72.8398, 0.3404,  
0.3285


 52.3628, 0.2267,  
0.3330

 73.7057, 0.3436,  
0.3282

 52.2392, 0.2259,  
0.3334

 73.7221, 0.3434,  
0.3279

 73.7386, 0.3431,  
0.3275

 73.7551, 0.3429,  
0.3272

# Harmonies

## Analogous

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



58.2713, 0.2889, 0.3577



58.2713, 0.2673, 0.3302



58.2713, 0.2576, 0.3039

# Triad

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



58.2713, 0.2673, 0.3302



58.2713, 0.3056, 0.2864



58.2713, 0.3658, 0.3704

# Complementary

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



58.2713, 0.2673, 0.3302



36.1271, 0.3860, 0.3279

# 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.



58.2713, 0.3712, 0.3497



58.2713, 0.2673, 0.3302



58.2713, 0.3355, 0.3025

# Square

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



58.2713, 0.2673, 0.3302



58.2713, 0.2789, 0.2803



58.2713, 0.3599, 0.3252



58.2713, 0.3458, 0.3811



# Rectangle

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



58.2713, 0.2673, 0.3302



58.2713, 0.2588, 0.2909



58.2713, 0.3599, 0.3252



58.2713, 0.3694, 0.3643

# Sweetspot

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



58.2736, 0.2673, 0.3302



95.4557, 0.2975, 0.3293



55.6380, 0.3090, 0.4243



20.3054, 0.2954, 0.3294



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.



58.2736, 0.2673, 0.3302



85.6669, 0.2592, 0.3305



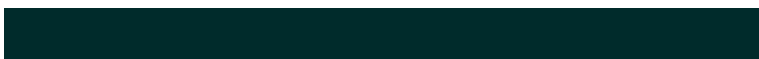
43.2272, 0.2612, 0.2840



14.1045, 0.2985, 0.3293



31.9066, 0.2259, 0.3333



1.9255, 0.2257, 0.3325



# Inverse Universe

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



36.1271, 0.3860, 0.3279



47.3222, 0.4096, 0.3277



47.7380, 0.3740, 0.3699



12.4238, 0.3289, 0.3287



8.6467, 0.6383, 0.3290

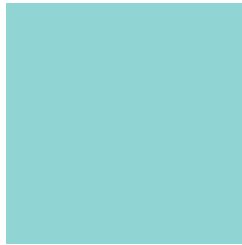


0.5226, 0.6328, 0.3260



# Previews

## White Background



This preview shows how the Yxy color 58.2713, 0.2673, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

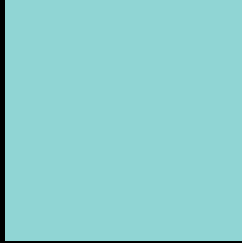
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2713, 0.2673, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

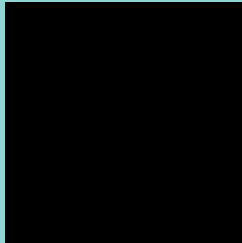
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

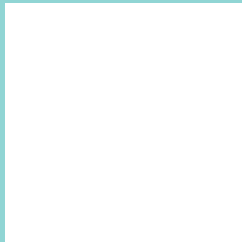
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2713, 0.2673, 0.3302**

## Background



This preview shows how black text looks on a background with the Yxy color 58.2713, 0.2673, 0.3302.

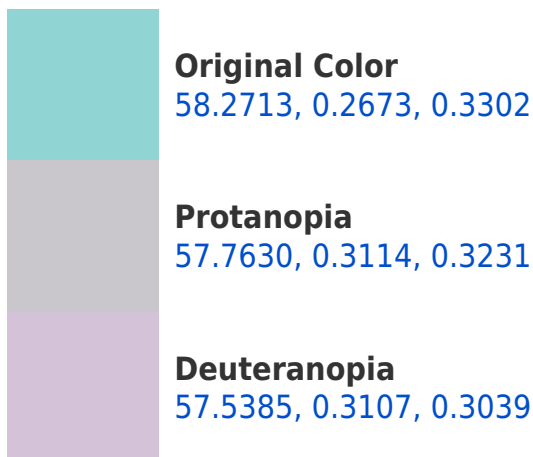


This preview shows how white text looks on a background with the Yxy color 58.2713, 0.2673, 0.3302.

# 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

58.4859, 0.2605, 0.3077

# Trichromacy



**Original Color**

58.2713, 0.2673, 0.3302

**Protanomaly**

57.5145, 0.2936, 0.3253

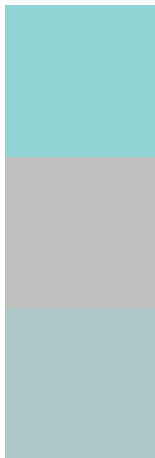
**Deuteranomaly**

57.2444, 0.2925, 0.3121

**Tritanomaly**

58.5639, 0.2633, 0.3163

# Monochromacy



**Original Color**

58.2713, 0.2673, 0.3302

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

54.5460, 0.2945, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2713, 0.2673, 0.3302 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(144, 213, 212)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 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(144, 213, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2713, 0.2673, 0.3302 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(144, 213, 212) }
```

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

```
.border{ border-color:rgb(144, 213, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 213, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 212);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2713, 0.2673, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 212) }
```

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

```
.background{ background-color: rgb(144,  
213, 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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