

# Converting Colors

Yxy(58.4813, 0.2629, 0.3094)

Have a look what the booklet for  
Yxy(58.4813, 0.2629, 0.3094)  
contains.

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# Color

**Yxy(58.6588, 0.2633, 0.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97D3E2
RGB	151, 211, 226
RGB Percent	59%, 83%, 89%
CMY	0.4077, 0.1726, 0.1137
CMYK	0.33, 0.07, 0.00, 0.11
HSL	192°, 56%, 74%
HSV	192°, 33%, 89%
XYZ	49.7900, 58.6588, 80.6511
YIQ	194.7700, -40.5750, -8.0550

# Conversions

## Conversions Part 2

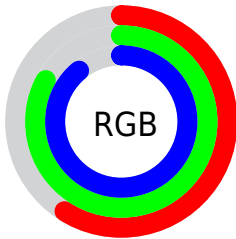
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 184, 226
Decimal	9950178
CIELab	81.10, -15.49, -13.54
CIElCh	81, 20.572, 221.157
Yxy	58.6588, 0.2633, 0.3102
Android (android.graphics.Color)	4288140258 (0xFF97D3E2)
YUV	194.7700, 15.3964, -38.3863
Hunter-Lab	76.5890, -17.9892, -8.8223

# Details

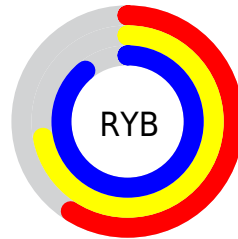
The Yxy color **58.6588, 0.2633, 0.3102** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6962, 0.3841, 0.3468**, and the grayscale version is **54.3603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **29.2586, 0.2509, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **54.4846, 0.2501, 0.3036**, and if you desaturate by 10%, it is **63.3155, 0.2775, 0.3164**.

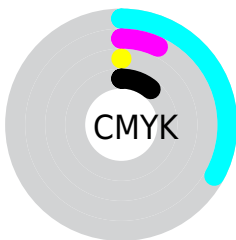
# Distribution



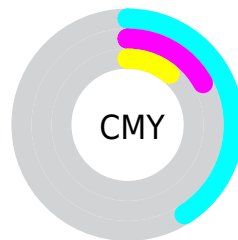
- Red (59%)
- Green (83%)
- Blue (89%)



- Red (59%)
- Yellow (72%)
- Blue (89%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)




- Cyan (41%)
- Magenta (17%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6588, 0.2633, 0.3102 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 58.6588, 0.2633, 0.3102 by changing the saturation by 10% instead.




 58.6588, 0.2633,  
0.3102

 58.6588, 0.2633,  
0.3102


419.6363, 0.2866,  
0.3196

 42.3385, 0.2579,  
0.3079


 102.8816, 0.2715,  
0.3136

 29.3664, 0.2511,  
0.3049


 131.5529, 0.2746,  
0.3149

 19.3582, 0.2425,  
0.3009


165.1100, 0.2773,  
0.3160

 11.9294, 0.2311,  
0.2954

203.9373, 0.2797,  
0.3169

 6.6956, 0.2154,  
0.2875

248.4192, 0.2818,  
0.3178

 3.2725, 0.1925,  
0.2750

298.9401, 0.2836,

 1.2756, 0.1566,

0.3185

0.2528

355.8843, 0.2852,  
0.3191

0.1222, 0.0000,  
0.1013

0.0000, 0.0000,  
0.0000

58.6588, 0.2633,  
0.3102

58.6588, 0.2633,  
0.3102

54.4846, 0.2501,  
0.3036

63.3155, 0.2775,  
0.3164

50.7615, 0.2382,  
0.2966

68.4700, 0.2925,  
0.3222

47.4654, 0.2279,  
0.2894

74.1456, 0.3078,  
0.3274

44.5662, 0.2195,  
0.2821

80.3617, 0.3233,  
0.3322

■ 42.0295, 0.2131,  
0.2748

■ 85.3806, 0.3323,  
0.3366

■ 39.8139, 0.2085,  
0.2675

■ 87.9846, 0.3317,  
0.3410

■ 38.4395, 0.2063,  
0.2625

■ 90.6548, 0.3312,  
0.3454

■ 93.3917, 0.3307,  
0.3498

■ 96.1958, 0.3301,  
0.3541

# Harmonies

## Analogous

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



58.6588, 0.2743, 0.3347



58.6588, 0.2633, 0.3102



58.6588, 0.2649, 0.2924

# Triad

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



58.6588, 0.2633, 0.3102



58.6588, 0.3288, 0.3018



58.6588, 0.3467, 0.3753

# Complementary

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



58.6588, 0.2633, 0.3102



45.6962, 0.3841, 0.3468

# 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.



58.6588, 0.3626, 0.3639



58.6588, 0.2633, 0.3102



58.6588, 0.3523, 0.3218

# Square

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



58.6588, 0.2633, 0.3102



58.6588, 0.3017, 0.2886



58.6588, 0.3648, 0.3442



58.6588, 0.3219, 0.3738



# Rectangle

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



58.6588, 0.2633, 0.3102



58.6588, 0.2728, 0.2861



58.6588, 0.3648, 0.3442



58.6588, 0.3533, 0.3728

# Sweetspot

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



58.6611, 0.2633, 0.3102



92.2661, 0.2972, 0.3239



63.7326, 0.2994, 0.4072



19.5283, 0.2951, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

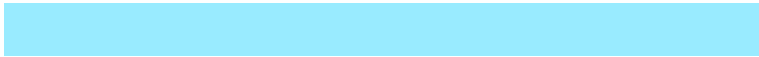


# Same Dimension

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



58.6611, 0.2633, 0.3102



73.1679, 0.2538, 0.3055



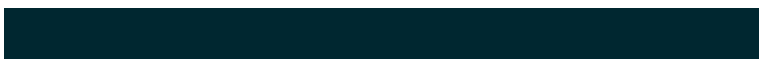
42.1661, 0.2571, 0.2609



15.0817, 0.2982, 0.3242



22.1008, 0.2066, 0.2637



1.6518, 0.2097, 0.2749



# Inverse Universe

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



43.0195, 0.3299, 0.2619



50.0163, 0.3346, 0.2477



61.3609, 0.3702, 0.3887



13.8861, 0.3168, 0.3104



11.1391, 0.3789, 0.1861

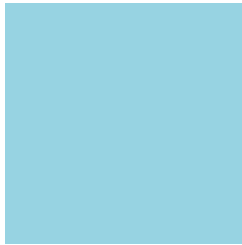


0.7842, 0.3682, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 58.6588, 0.2633, 0.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

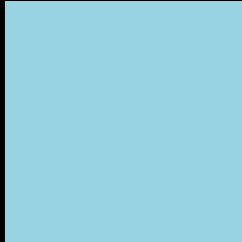
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6588, 0.2633, 0.3102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

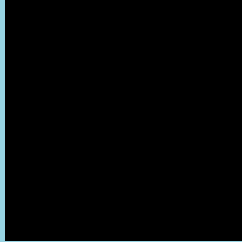
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6588, 0.2633, 0.3102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6588, 0.2633, 0.3102.

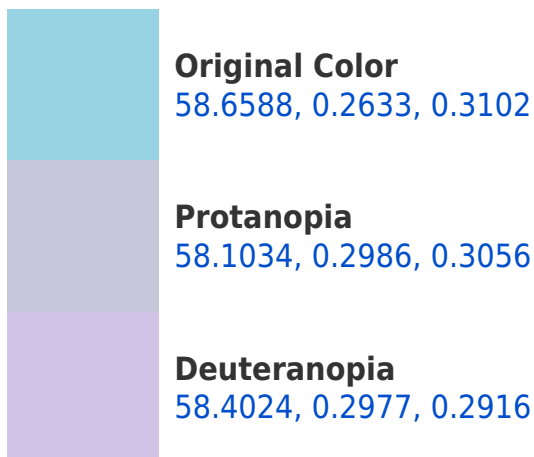


This preview shows how white text looks on a background with the Yxy color 58.6588, 0.2633, 0.3102.

# 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

58.7693, 0.2622, 0.3078

# Trichromacy



**Original Color**

58.6588, 0.2633, 0.3102

**Protanomaly**

57.9309, 0.2845, 0.3062

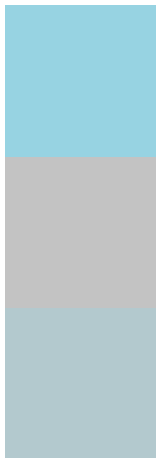
**Deuteranomaly**

57.9395, 0.2840, 0.2971

**Tritanomaly**

58.7139, 0.2627, 0.3090

# Monochromacy



**Original Color**

58.6588, 0.2633, 0.3102

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.8132, 0.2927, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6588, 0.2633, 0.3102 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(151, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(151, 211, 226)  
}
```

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(151, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 211, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6588, 0.2633, 0.3102 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(151, 211, 226) }
```

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

```
.border{ border-color:rgb(151, 211, 226) }
```

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

Here you see how a box with a 4 pixel rgb(151, 211, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(151, 211,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6588, 0.2633, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 211, 226) }
```

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

```
.background{ background-color: rgb(151,  
211, 226) }
```

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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