

# Converting Colors

Yxy(57.9412, 0.2862, 0.3815)

Have a look what the booklet for  
Yxy(57.9412, 0.2862, 0.3815)  
contains.

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# Color

**Yxy(57.9488, 0.2862, 0.3815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD8B1
RGB	141, 216, 177
RGB Percent	55%, 85%, 69%
CMY	0.4471, 0.1529, 0.3060
CMYK	0.35, 0.00, 0.18, 0.15
HSL	149°, 49%, 70%
HSV	149°, 35%, 85%
XYZ	43.4730, 57.9488, 50.4755
YIQ	189.1290, -32.1810, -28.0290

# Conversions

## Conversions Part 2

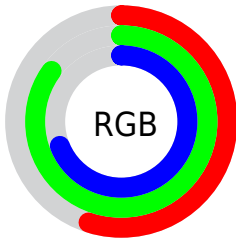
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 192, 216
Decimal	9296049
CIELab	80.71, -31.62, 11.95
CIELCh	81, 33.800, 159.288
Yxy	57.9488, 0.2862, 0.3815
Android (android.graphics.Color)	4287486129 (0xFF8DD8B1)
YUV	189.1290, -5.9796, -42.2091
Hunter-Lab	76.1241, -31.2793, 13.9736

# Details

The Yxy color **57.9488, 0.2862, 0.3815** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.9441, 0.3520, 0.2822**, and the grayscale version is **51.0144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2735, 0.2902, 0.3526**, and **28.9712, 0.2787, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **55.8090, 0.2800, 0.3999**, and if you desaturate by 10%, it is **60.4996, 0.2933, 0.3645**.

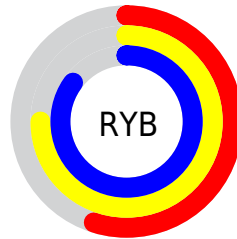
# Distribution



Red (55%)

Green (85%)

Blue (69%)



Red (55%)

Yellow (75%)

Blue (85%)

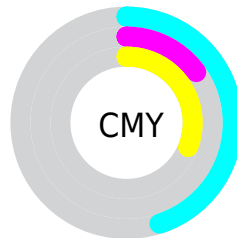


Cyan (35%)

Magenta (0%)

Yellow (18%)

Black (15%)



Cyan (45%)

Magenta (15%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9488, 0.2862, 0.3815 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 57.9488, 0.2862, 0.3815 by changing the saturation by 10% instead.





 57.9488, 0.2862,  
0.3815


 57.9488, 0.2862,  
0.3815


416.9951, 0.2994,  
0.3553

 41.7675, 0.2829,  
0.3880


 101.8483, 0.2910,  
0.3720

 28.9193, 0.2787,  
0.3964


 130.3353, 0.2928,  
0.3684

 19.0198, 0.2731,  
0.4076


163.6929, 0.2943,  
0.3654

 11.6846, 0.2654,  
0.4231

202.3056, 0.2956,  
0.3628

 6.5293, 0.2540,  
0.4461

246.5578, 0.2968,  
0.3605

 3.1695, 0.2355,  
0.4835

296.8339, 0.2978,

 1.2209, 0.1749,

0.3586

0.6010

353.5182, 0.2986,  
0.3568

■ 0.0786, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9488, 0.2862,  
0.3815

■ 57.9488, 0.2862,  
0.3815

■ 55.8090, 0.2800,  
0.3999

■ 60.4996, 0.2933,  
0.3645

■ 54.0505, 0.2751,  
0.4195


■ 63.4748, 0.3009,  
0.3490


■ 52.6510, 0.2717,  
0.4398


■ 66.8961, 0.3089,  
0.3351

■ 51.5829, 0.2702,  
0.4603


■ 70.7814, 0.3170,  
0.3226

 50.8139, 0.2707,  
0.4805

 75.1479, 0.3250,  
0.3117

 50.3053, 0.2731,  
0.4997

 76.9324, 0.3216,  
0.3010

 50.1074, 0.2748,  
0.5093

 77.5957, 0.3145,  
0.2910

# Harmonies

## Analogous

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



57.9488, 0.3293, 0.4058



57.9488, 0.2862, 0.3815



57.9488, 0.2518, 0.3402

# Triad

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



57.9488, 0.2862, 0.3815



57.9488, 0.2554, 0.2584



57.9488, 0.3986, 0.3494

# Complementary

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



57.9488, 0.2862, 0.3815



36.9441, 0.3520, 0.2822

# 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.



57.9488, 0.3762, 0.3142



57.9488, 0.2862, 0.3815



57.9488, 0.2914, 0.2638

# Square

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



57.9488, 0.2862, 0.3815



57.9488, 0.2352, 0.2700



57.9488, 0.3359, 0.2838



57.9488, 0.3958, 0.3825



# Rectangle

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



57.9488, 0.2862, 0.3815



57.9488, 0.2377, 0.3117



57.9488, 0.3359, 0.2838



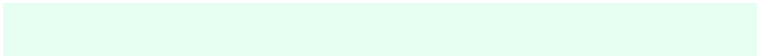
57.9488, 0.3938, 0.3375

# Sweetspot

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



57.9512, 0.2862, 0.3815



94.6551, 0.3046, 0.3423



60.8625, 0.3370, 0.4236



20.1110, 0.3035, 0.3443



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.



57.9512, 0.2862, 0.3815



81.9428, 0.2814, 0.3955



59.6077, 0.2653, 0.3321



13.9942, 0.3051, 0.3414



29.6777, 0.2740, 0.5065



1.8067, 0.2650, 0.4740



# Inverse Universe

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



36.9441, 0.3520, 0.2822



46.7502, 0.3643, 0.2718



35.6459, 0.3920, 0.3262



12.5277, 0.3210, 0.3169



9.3606, 0.4862, 0.2452



0.5813, 0.4499, 0.2252



# Previews

## White Background



This preview shows how the Yxy color 57.9488, 0.2862, 0.3815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

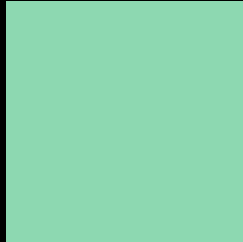
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9488, 0.2862, 0.3815 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

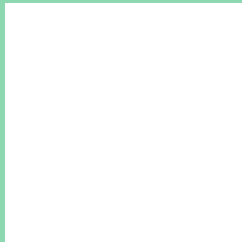
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.9488, 0.2862, 0.3815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9488, 0.2862, 0.3815.

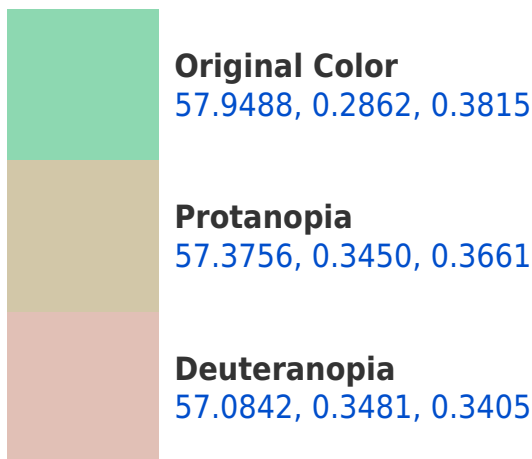


This preview shows how white text looks on a background with the Yxy color 57.9488, 0.2862, 0.3815.

# 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

57.7673, 0.2635, 0.3077

# Trichromacy



## Original Color

57.9488, 0.2862, 0.3815



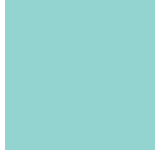
## Protanomaly

56.9172, 0.3214, 0.3719



## Deuteranomaly

56.5379, 0.3225, 0.3549



## Tritanomaly

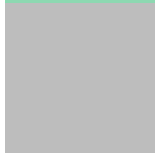
57.9369, 0.2718, 0.3340

# Monochromacy



## Original Color

57.9488, 0.2862, 0.3815



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.1203, 0.3019, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9488, 0.2862, 0.3815 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(141, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 177)  
}
```

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(141, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9488, 0.2862, 0.3815 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(141, 216, 177) }
```

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

```
.border{ border-color:rgb(141, 216, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(141, 216,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9488, 0.2862, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 177) }
```

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

```
.background{ background-color: rgb(141,  
216, 177) }
```

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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