

# Converting Colors

$Y_{xy}(57.2990, 0.2891, 0.3851)$

Have a look what the booklet for  
Yxy(57.2990, 0.2891, 0.3851)  
contains.

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# Color

**Yxy(57.3688, 0.2891, 0.3858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ED7AD
RGB	142, 215, 173
RGB Percent	56%, 84%, 68%
CMY	0.4434, 0.1568, 0.3216
CMYK	0.34, 0.00, 0.20, 0.16
HSL	146°, 48%, 70%
HSV	146°, 34%, 84%
XYZ	42.9894, 57.3688, 48.3427
YIQ	188.3850, -30.0260, -28.5380

# Conversions

## Conversions Part 2

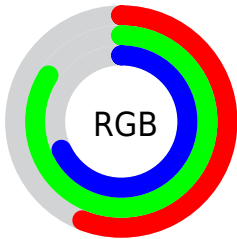
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 193, 215
Decimal	9361325
CIELab	80.39, -31.65, 13.61
CIElCh	80, 34.455, 156.738
Yxy	57.3688, 0.2891, 0.3858
Android (android.graphics.Color)	4287551405 (0xFF8ED7AD)
YUV	188.3850, -7.5848, -40.6796
Hunter-Lab	75.7422, -31.2366, 15.1775

# Details

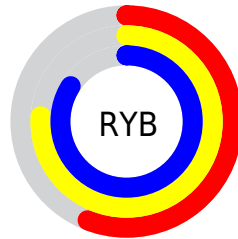
The Yxy color **57.3688, 0.2891, 0.3858** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.2331, 0.3468, 0.2786**, and the grayscale version is **50.5693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1272, 0.2935, 0.3580**, and **28.6459, 0.2823, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **55.1937, 0.2834, 0.4062**, and if you desaturate by 10%, it is **59.9597, 0.2956, 0.3670**.

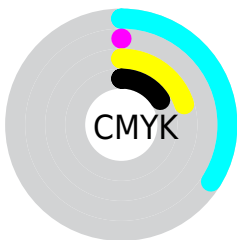
# Distribution



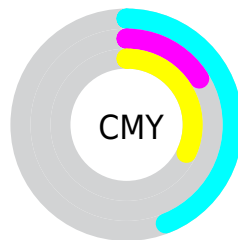
- Red (56%)
- Green (84%)
- Blue (68%)



- Red (56%)
- Yellow (76%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3688, 0.2891, 0.3858 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 57.3688, 0.2891, 0.3858 by changing the saturation by 10% instead.





 57.3688, 0.2891,  
0.3858


 57.3688, 0.2891,  
0.3858


414.8298, 0.3010,  
0.3573

 41.3014, 0.2861,  
0.3929


 101.0031, 0.2935,  
0.3754

 28.5547, 0.2822,  
0.4021


 129.3388, 0.2951,  
0.3715

 18.7442, 0.2770,  
0.4143


162.5328, 0.2965,  
0.3682

 11.4856, 0.2698,  
0.4314

200.9694, 0.2976,  
0.3654

 6.3944, 0.2589,  
0.4568

245.0330, 0.2987,  
0.3630

 3.0864, 0.2409,  
0.4985

295.1080, 0.2995,

 1.1770, 0.1781,

0.3609

0.6547

351.5788, 0.3003,  
0.3590

■ 0.0428, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3688, 0.2891,  
0.3858

■ 57.3688, 0.2891,  
0.3858

■ 55.1937, 0.2834,  
0.4062

■ 59.9597, 0.2956,  
0.3670

■ 53.4049, 0.2789,  
0.4278


■ 62.9798, 0.3026,  
0.3499

■ 51.9802, 0.2758,  
0.4503


■ 66.4508, 0.3098,  
0.3346


■ 50.8921, 0.2745,  
0.4729


■ 70.3907, 0.3171,  
0.3210


 50.1088, 0.2751,  
0.4948

 74.8166, 0.3243,  
0.3091

 49.5921, 0.2776,  
0.5153

 76.5950, 0.3198,  
0.2974

 49.3719, 0.2797,  
0.5268

 77.0894, 0.3145,  
0.2901

# Harmonies

## Analogous

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



57.3688, 0.3334, 0.4086



57.3688, 0.2891, 0.3858



57.3688, 0.2528, 0.3443

# Triad

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



57.3688, 0.2891, 0.3858



57.3688, 0.2517, 0.2572



57.3688, 0.3996, 0.3467

# Complementary

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



57.3688, 0.2891, 0.3858



37.2331, 0.3468, 0.2786

# 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.



57.3688, 0.3747, 0.3109



57.3688, 0.2891, 0.3858



57.3688, 0.2873, 0.2614

# Square

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



57.3688, 0.2891, 0.3858



57.3688, 0.2326, 0.2705



57.3688, 0.3325, 0.2806



57.3688, 0.3989, 0.3810



# Rectangle

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



57.3688, 0.2891, 0.3858



57.3688, 0.2375, 0.3147



57.3688, 0.3325, 0.2806



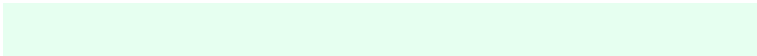
57.3688, 0.3940, 0.3345

# Sweetspot

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



57.3712, 0.2891, 0.3858



94.5719, 0.3054, 0.3438



60.8204, 0.3394, 0.4206



20.0909, 0.3043, 0.3460



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

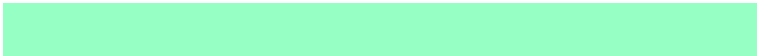


# Same Dimension

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



57.3712, 0.2891, 0.3858



81.9823, 0.2848, 0.4008



58.9538, 0.2681, 0.3367



13.9827, 0.3059, 0.3427



29.5454, 0.2789, 0.5240



1.7984, 0.2693, 0.4895



# Inverse Universe

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



37.2331, 0.3468, 0.2786



47.8973, 0.3570, 0.2675



35.9135, 0.3855, 0.3217



12.5393, 0.3202, 0.3157



9.5270, 0.4634, 0.2326

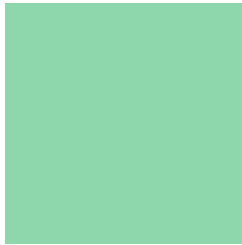


0.5910, 0.4322, 0.2154



# Previews

## White Background



This preview shows how the Yxy color 57.3688, 0.2891, 0.3858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

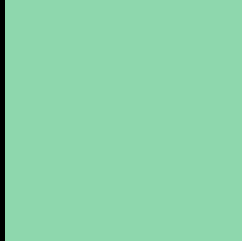
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3688, 0.2891, 0.3858 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

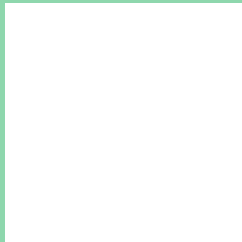
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.3688, 0.2891, 0.3858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3688, 0.2891, 0.3858.

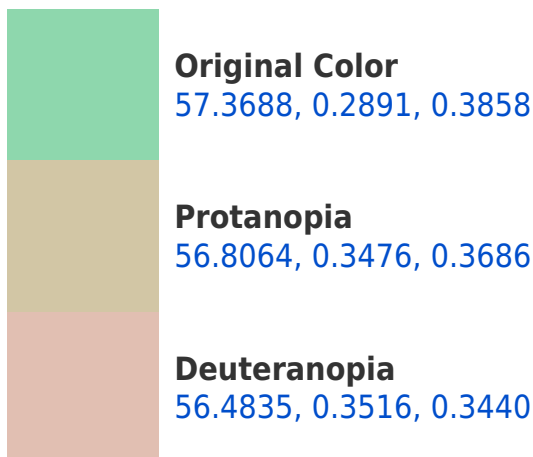


This preview shows how white text looks on a background with the Yxy color 57.3688, 0.2891, 0.3858.

# 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

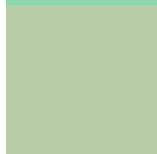
57.3203, 0.2645, 0.3077

# Trichromacy



## Original Color

57.3688, 0.2891, 0.3858



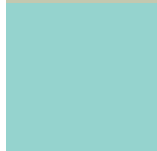
## Protanomaly

56.3272, 0.3237, 0.3746



## Deuteranomaly

56.0452, 0.3264, 0.3587



## Tritanomaly

57.4343, 0.2734, 0.3353

# Monochromacy



## Original Color

57.3688, 0.2891, 0.3858



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.4650, 0.3025, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3688, 0.2891, 0.3858 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(142, 215, 173)` looks like.

```
.text, #text, p{  
    color:rgb(142, 215, 173)  
}
```

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(142, 215, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 215, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3688, 0.2891, 0.3858 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(142, 215, 173) }
```

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

```
.border{ border-color:rgb(142, 215, 173) }
```

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

Here you see how a box with a 4 pixel rgb(142, 215, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 215, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 215, 173);  
box-shadow:4px 4px 4px 4px rgb(142, 215,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3688, 0.2891, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 215, 173) }
```

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

```
.background{ background-color: rgb(142,  
215, 173) }
```

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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