

# Converting Colors

$Yxy(58.2994, 0.2752, 0.3528)$

Have a look what the booklet for  
Yxy(58.2994, 0.2752, 0.3528)  
contains.

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# Color

**Yxy(58.3829, 0.2749, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ED7C5
RGB	142, 215, 197
RGB Percent	56%, 84%, 77%
CMY	0.4433, 0.1568, 0.2273
CMYK	0.34, 0.00, 0.08, 0.16
HSL	165°, 48%, 70%
HSV	165°, 34%, 84%
XYZ	45.5304, 58.3829, 61.7120
YIQ	191.1210, -37.7300, -21.0740

# Conversions

## Conversions Part 2

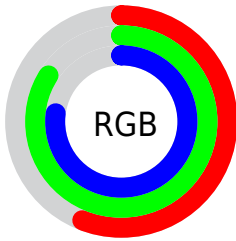
Format	Color
<b>RYB</b>	142, 184, 215
Decimal	9361349
CIELab	80.95, -26.67, 1.64
CIElCh	81, 26.721, 176.473
Yxy	58.3829, 0.2749, 0.3525
Android (android.graphics.Color)	4287551429 (0xFF8ED7C5)
YUV	191.1210, 2.8983, -43.0791
Hunter-Lab	76.4087, -27.3507, 5.6002

# Details

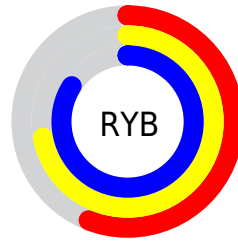
The Yxy color **58.3829, 0.2749, 0.3525** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3160, 0.3723, 0.3071**, and the grayscale version is **52.1699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6815, 0.2799, 0.3300**, and **29.1995, 0.2653, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **56.4257, 0.2659, 0.3607**, and if you desaturate by 10%, it is **60.7200, 0.2851, 0.3449**.

# Distribution



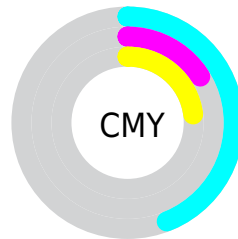
- Red (56%)
- Green (84%)
- Blue (77%)



- Red (56%)
- Yellow (72%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)



- Cyan (44%)
- Magenta (16%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3829, 0.2749, 0.3525 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 58.3829, 0.2749, 0.3525 by changing the saturation by 10% instead.





 58.3829, 0.2749,  
0.3525


 58.3829, 0.2749,  
0.3525


418.6112, 0.2931,  
0.3411

 42.1166, 0.2706,  
0.3552


 102.4802, 0.2814,  
0.3484

 29.1926, 0.2651,  
0.3587


 131.0800, 0.2838,  
0.3469

 19.2265, 0.2581,  
0.3632


164.5597, 0.2859,  
0.3456

 11.8341, 0.2486,  
0.3693

203.3038, 0.2878,  
0.3445

 6.6308, 0.2351,  
0.3779

247.6966, 0.2893,  
0.3435

 3.2323, 0.2147,  
0.3914

298.1225, 0.2907,

 1.2542, 0.1681,

0.3426

0.4207

354.9659, 0.2920,  
0.3418

■ 0.1053, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3829, 0.2749,  
0.3525

■ 58.3829, 0.2749,  
0.3525

■ 56.4257, 0.2659,  
0.3607

■ 60.7200, 0.2851,  
0.3449

■ 54.8202, 0.2584,  
0.3693


■ 63.4497, 0.2962,  
0.3378


■ 53.5453, 0.2526,  
0.3783


■ 66.5923, 0.3079,  
0.3314


■ 52.5747, 0.2487,  
0.3874


■ 70.1650, 0.3200,  
0.3256


 51.8780, 0.2469,  
0.3966


 74.1838, 0.3322,  
0.3204


 51.4183, 0.2469,  
0.4058

 75.5106, 0.3326,  
0.3153

 51.2183, 0.2476,  
0.4112

 75.8103, 0.3288,  
0.3101

 76.1191, 0.3252,  
0.3049

 76.4370, 0.3215,  
0.2998

# Harmonies

## Analogous

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



58.3829, 0.3064, 0.3800



58.3829, 0.2749, 0.3525



58.3829, 0.2540, 0.3190

# Triad

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



58.3829, 0.2749, 0.3525



58.3829, 0.2825, 0.2732



58.3829, 0.3816, 0.3618

# Complementary

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



58.3829, 0.2749, 0.3525



36.3160, 0.3723, 0.3071

# 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.



58.3829, 0.3750, 0.3338



58.3829, 0.2749, 0.3525



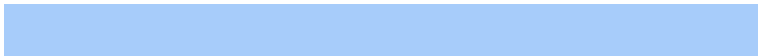
58.3829, 0.3161, 0.2846

# Square

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



58.3829, 0.2749, 0.3525



58.3829, 0.2583, 0.2750



58.3829, 0.3504, 0.3062



58.3829, 0.3687, 0.3834



# Rectangle

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



58.3829, 0.2749, 0.3525



58.3829, 0.2484, 0.2991



58.3829, 0.3504, 0.3062



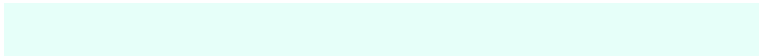
58.3829, 0.3817, 0.3528

# Sweetspot

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



58.3853, 0.2749, 0.3525



95.0828, 0.3007, 0.3352



58.0534, 0.3209, 0.4261



20.2147, 0.2991, 0.3362



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

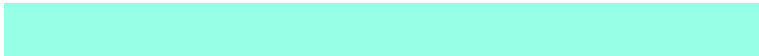


# Same Dimension

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



58.3853, 0.2749, 0.3525



83.7193, 0.2681, 0.3585



50.4704, 0.2617, 0.3049



14.0532, 0.3015, 0.3348



30.6492, 0.2472, 0.4099



1.8614, 0.2428, 0.3941



# Inverse Universe

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



36.3160, 0.3723, 0.3071



46.3581, 0.3917, 0.3022



41.6170, 0.3846, 0.3517



12.4704, 0.3253, 0.3233



8.8085, 0.5929, 0.3040



0.5446, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 58.3829, 0.2749, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

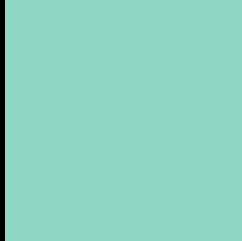
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3829, 0.2749, 0.3525 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

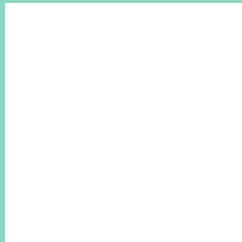
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.3829, 0.2749, 0.3525**

## Background



This preview shows how black text looks on a background with the Yxy color 58.3829, 0.2749, 0.3525.

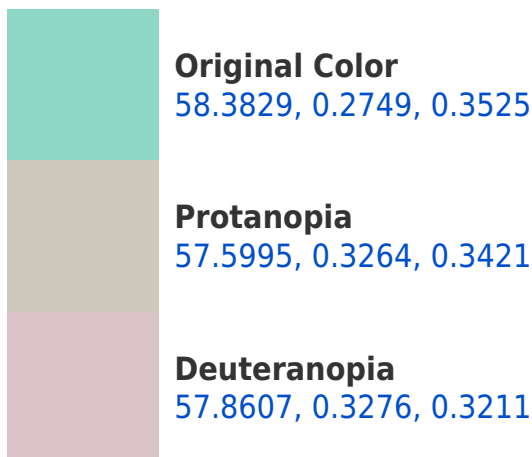


This preview shows how white text looks on a background with the Yxy color 58.3829, 0.2749, 0.3525.

# 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

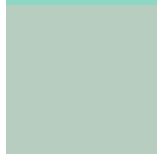
58.5241, 0.2616, 0.3089

# Trichromacy



## Original Color

58.3829, 0.2749, 0.3525



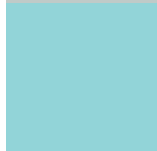
## Protanomaly

57.4915, 0.3059, 0.3464



## Deuteranomaly

57.4876, 0.3057, 0.3314



## Tritanomaly

58.1558, 0.2661, 0.3238

# Monochromacy



## Original Color

58.3829, 0.2749, 0.3525



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.0430, 0.2971, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3829, 0.2749, 0.3525 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(142, 215, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 215, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3829, 0.2749, 0.3525 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, 197) }
```

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

```
.border{ border-color:rgb(142, 215, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 215, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 215, 197);  
box-shadow:4px 4px 4px 4px rgb(142, 215,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3829, 0.2749, 0.3525 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, 197) }
```

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

```
.background{ background-color: rgb(142,  
215, 197) }
```

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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