

# Converting Colors

$Yxy(58.5261, 0.2660, 0.4091)$

Have a look what the booklet for  
Yxy(58.5261, 0.2660, 0.4091)  
contains.

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# Color

**Yxy(58.3121, 0.2661, 0.4091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE0A8
RGB	90, 224, 168
RGB Percent	35%, 88%, 66%
CMY	0.6476, 0.1215, 0.3412
CMYK	0.60, 0.00, 0.25, 0.12
HSL	155°, 68%, 62%
HSV	155°, 60%, 88%
XYZ	37.9292, 58.3121, 46.2962
YIQ	177.5500, -61.8880, -45.8240

# Conversions

## Conversions Part 2

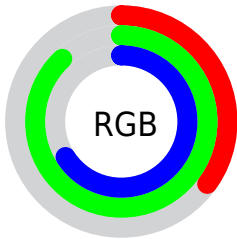
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 175, 224
Decimal	5955752
CIELab	80.91, -49.61, 16.70
CIElCh	81, 52.345, 161.398
Yxy	58.3121, 0.2661, 0.4091
Android (android.graphics.Color)	4284145832 (0xFF5AE0A8)
YUV	177.5500, -4.7082, -76.7814
Hunter-Lab	76.3624, -44.9731, 17.5079

# Details

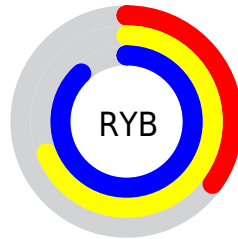
The Yxy color **58.3121, 0.2661, 0.4091** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **25.2120, 0.4178, 0.2662**, and the grayscale version is **44.3030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4270, 0.2713, 0.3660**, and **29.2662, 0.2534, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **57.0210, 0.2629, 0.4254**, and if you desaturate by 10%, it is **59.9712, 0.2711, 0.3933**.

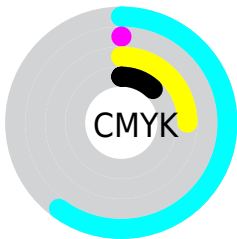
# Distribution



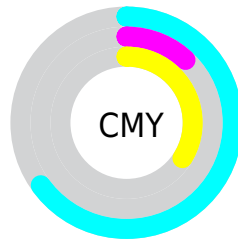
- Red (35%)
- Green (88%)
- Blue (66%)



- Red (35%)
- Yellow (69%)
- Blue (88%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)




- Cyan (65%)
- Magenta (12%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3121, 0.2661, 0.4091 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 58.3121, 0.2661, 0.4091 by changing the saturation by 10% instead.




 58.3121, 0.2661,  
0.4091


 58.3121, 0.2661,  
0.4091


418.3479, 0.2895,  
0.3685


 42.0596, 0.2603,  
0.4194


 102.3772, 0.2746,  
0.3942


 29.1480, 0.2528,  
0.4326


 130.9586, 0.2778,  
0.3887

 19.1928, 0.2430,  
0.4503


 164.4185, 0.2805,  
0.3840

 11.8097, 0.2293,  
0.4751

 203.1411, 0.2828,  
0.3800

 6.6142, 0.2092,  
0.5121

247.5110, 0.2848,  
0.3765

 3.2220, 0.1773,  
0.5725

297.9125, 0.2865,

 1.2487, 0.0000,

0.3735

0.8941

354.7300, 0.2881,  
0.3709

■ 0.1010, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3121, 0.2661,  
0.4091

■ 58.3121, 0.2661,  
0.4091

■ 57.0210, 0.2629,  
0.4254

■ 59.9712, 0.2711,  
0.3933

■ 56.0588, 0.2616,  
0.4419

■ 62.0194, 0.2777,  
0.3782

■ 55.3900, 0.2624,  
0.4581


■ 64.4842, 0.2855,  
0.3642

■ 54.9493, 0.2650,  
0.4738


■ 67.3887, 0.2941,  
0.3512

 54.9447, 0.2650,  
0.4739

 70.7544, 0.3033,  
0.3395

 74.6010, 0.3128,  
0.3289

 78.9473, 0.3224,  
0.3195

 81.0419, 0.3221,  
0.3105

 81.6212, 0.3159,  
0.3016

# Harmonies

## Analogous

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



58.3121, 0.3302, 0.4503



58.3121, 0.2661, 0.4091



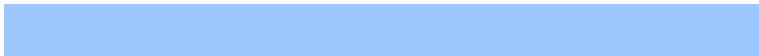
58.3121, 0.2178, 0.3395

# Triad

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



58.3121, 0.2661, 0.4091



58.3121, 0.2296, 0.2245



58.3121, 0.4465, 0.3588

# Complementary

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



58.3121, 0.2661, 0.4091



25.2120, 0.4178, 0.2662

# 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.



58.3121, 0.4147, 0.3082



58.3121, 0.2661, 0.4091



58.3121, 0.2834, 0.2349

# Square

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



58.3121, 0.2661, 0.4091



58.3121, 0.1995, 0.2372



58.3121, 0.3521, 0.2646



58.3121, 0.4368, 0.4086

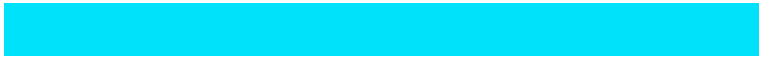


# Rectangle

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



58.3121, 0.2661, 0.4091



58.3121, 0.1996, 0.2949



58.3121, 0.3521, 0.2646



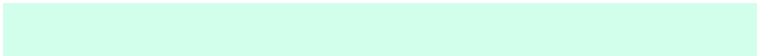
58.3121, 0.4404, 0.3416

# Sweetspot

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



58.3144, 0.2661, 0.4091



91.1362, 0.2957, 0.3491



60.3524, 0.3387, 0.5021



19.2422, 0.2931, 0.3527



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.



58.3144, 0.2661, 0.4091



76.1020, 0.2623, 0.4297



56.1884, 0.2367, 0.3168



15.4705, 0.3037, 0.3390



31.9996, 0.2643, 0.4716



2.2358, 0.2576, 0.4472



# Inverse Universe

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



25.2120, 0.4178, 0.2662



27.9582, 0.4538, 0.2596



25.4738, 0.4930, 0.3391



13.7950, 0.3227, 0.3192



9.7118, 0.5297, 0.2692

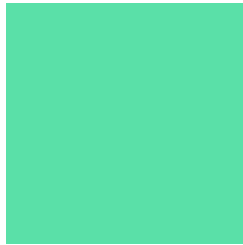


0.6907, 0.4900, 0.2473



# Previews

## White Background



This preview shows how the Yxy color 58.3121, 0.2661, 0.4091 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 58.3121, 0.2661, 0.4091 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 58.3121, 0.2661, 0.4091**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3121, 0.2661, 0.4091.

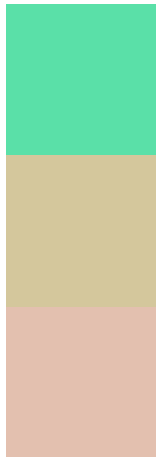


This preview shows how white text looks on a background with the Yxy color 58.3121, 0.2661, 0.4091.

# 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



### Original Color

58.3121, 0.2661, 0.4091

### Protanopia

57.2442, 0.3560, 0.3804

### Deuteranopia

57.1253, 0.3555, 0.3485



## Tritanopia

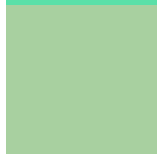
57.9288, 0.2411, 0.3057

# Trichromacy



## Original Color

58.3121, 0.2661, 0.4091



## Protanomaly

55.9746, 0.3157, 0.3922



## Deuteranomaly

55.5114, 0.3146, 0.3702



## Tritanomaly

57.6893, 0.2499, 0.3409

# Monochromacy



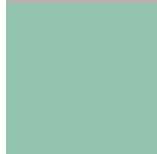
## Original Color

58.3121, 0.2661, 0.4091



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

48.1972, 0.2900, 0.3583

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3121, 0.2661, 0.4091 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(90, 224, 168)` looks like.

```
.text, #text, p{  
    color:rgb(90, 224, 168)  
}
```

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(90, 224, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 224, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3121, 0.2661, 0.4091 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(90, 224, 168) }
```

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

```
.border{ border-color:rgb(90, 224, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 224, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 224, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 224, 168);  
box-shadow:4px 4px 4px 4px rgb(90, 224,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3121, 0.2661, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 224, 168) }
```

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

```
.background{ background-color: rgb(90, 224,  
168) }
```

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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