

# Converting Colors

$Yxy(56.1644, 0.2768, 0.3598)$

Have a look what the booklet for  
Yxy(56.1644, 0.2768, 0.3598)  
contains.

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# Color

**Yxy(56.1644, 0.2768, 0.3598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AD4BD
RGB	138, 212, 189
RGB Percent	54%, 83%, 74%
CMY	0.4590, 0.1686, 0.2587
CMYK	0.35, 0.00, 0.11, 0.17
HSL	161°, 46%, 69%
HSV	161°, 35%, 83%
XYZ	43.2082, 56.1644, 56.7264
YIQ	187.2520, -36.7210, -22.8410

# Conversions

## Conversions Part 2

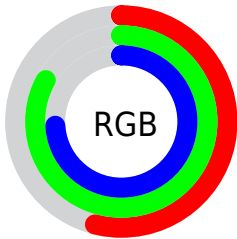
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 182, 212
Decimal	9098429
CIELab	79.71, -28.08, 4.08
CIElCh	80, 28.371, 171.727
Yxy	56.1644, 0.2768, 0.3598
Android (android.graphics.Color)	4287288509 (0xFF8AD4BD)
YUV	187.2520, 0.8618, -43.1940
Hunter-Lab	74.9429, -28.2363, 7.5818

# Details

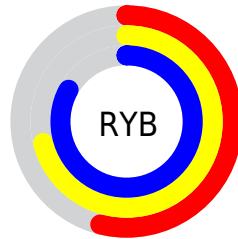
The Yxy color **56.1644, 0.2768, 0.3598** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7358, 0.3692, 0.3006**, and the grayscale version is **49.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5819, 0.2823, 0.3396**, and **27.7763, 0.2669, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **54.2527, 0.2685, 0.3703**, and if you desaturate by 10%, it is **58.4465, 0.2862, 0.3500**.

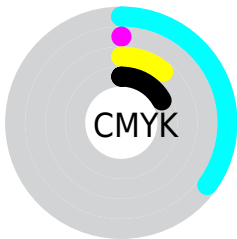
# Distribution



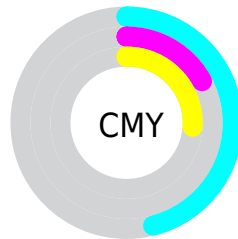
- Red (54%)
- Green (83%)
- Blue (74%)



- Red (54%)
- Yellow (71%)
- Blue (83%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)




- Cyan (46%)
- Magenta (17%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1644, 0.2768, 0.3598 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 56.1644, 0.2768, 0.3598 by changing the saturation by 10% instead.





 56.1644, 0.2768,  
0.3598

 56.1644, 0.2768,  
0.3598


410.3108, 0.2943,  
0.3446


 40.3347, 0.2726,  
0.3635


 99.2449, 0.2831,  
0.3543

 27.7996, 0.2672,  
0.3683


 127.2646, 0.2854,  
0.3523

 18.1747, 0.2602,  
0.3745


 160.1163, 0.2875,  
0.3505

 11.0755, 0.2507,  
0.3831

198.1846, 0.2892,  
0.3490

 6.1176, 0.2371,  
0.3956

241.8538, 0.2907,  
0.3477

 2.9167, 0.2159,  
0.4157

291.5083, 0.2921,

 1.0884, 0.1455,

0.3466

0.4713

347.5325, 0.2932,  
0.3455

0.0000, 0.0000,  
0.0000

56.1644, 0.2768,  
0.3598

56.1644, 0.2768,  
0.3598

54.2527, 0.2685,  
0.3703

58.4465, 0.2862,  
0.3500

52.6838, 0.2617,  
0.3815

61.1114, 0.2965,  
0.3410

51.4370, 0.2567,  
0.3930


64.1790, 0.3073,  
0.3327


50.4865, 0.2535,  
0.4049


67.6660, 0.3184,  
0.3254


49.8025, 0.2523,  
0.4168


71.5881, 0.3296,  
0.3188

 49.3485, 0.2531,  
0.4285

 73.9802, 0.3331,  
0.3125

 49.1733, 0.2540,  
0.4344

 74.3536, 0.3284,  
0.3060

 74.7411, 0.3238,  
0.2997

 75.1428, 0.3193,  
0.2934

# Harmonies

## Analogous

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



56.1644, 0.3117, 0.3874



56.1644, 0.2768, 0.3598



56.1644, 0.2523, 0.3236

# Triad

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



56.1644, 0.2768, 0.3598



56.1644, 0.2753, 0.2686



56.1644, 0.3872, 0.3595

# Complementary

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



56.1644, 0.2768, 0.3598



34.7358, 0.3692, 0.3006

# 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.



56.1644, 0.3767, 0.3291



56.1644, 0.2768, 0.3598



56.1644, 0.3102, 0.2787

# Square

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



56.1644, 0.2768, 0.3598



56.1644, 0.2516, 0.2727



56.1644, 0.3478, 0.3003



56.1644, 0.3763, 0.3844



# Rectangle

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



56.1644, 0.2768, 0.3598



56.1644, 0.2445, 0.3013



56.1644, 0.3478, 0.3003



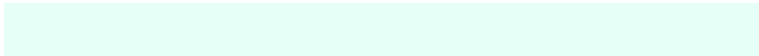
56.1644, 0.3861, 0.3496

# Sweetspot

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



56.1667, 0.2768, 0.3598



94.9812, 0.3016, 0.3369



56.5446, 0.3247, 0.4279



20.1900, 0.3001, 0.3381



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

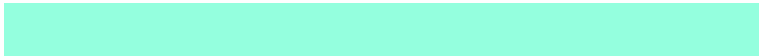


# Same Dimension

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



56.1667, 0.2768, 0.3598



83.0682, 0.2705, 0.3677



50.7405, 0.2613, 0.3108



14.0392, 0.3023, 0.3363



30.3734, 0.2536, 0.4328



1.8465, 0.2479, 0.4126



# Inverse Universe

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



34.7358, 0.3692, 0.3006



45.7500, 0.3873, 0.2945



38.1392, 0.3893, 0.3462



12.4836, 0.3243, 0.3218



8.8982, 0.5712, 0.2920

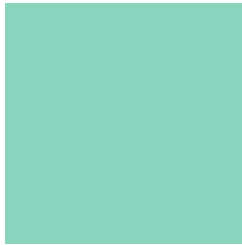


0.5514, 0.5216, 0.2647



# Previews

## White Background



This preview shows how the Yxy color 56.1644, 0.2768, 0.3598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

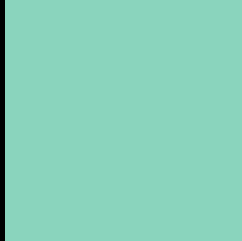
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1644, 0.2768, 0.3598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

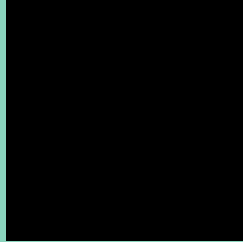
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

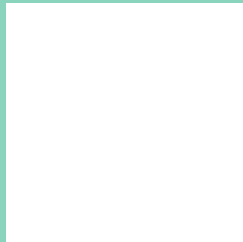
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.1644, 0.2768, 0.3598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1644, 0.2768, 0.3598.

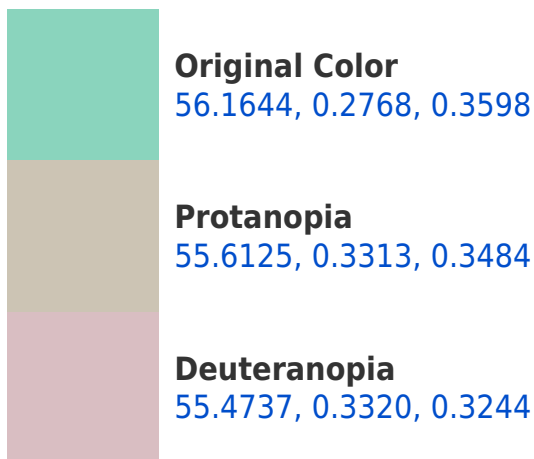


This preview shows how white text looks on a background with the Yxy color 56.1644, 0.2768, 0.3598.

# 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**

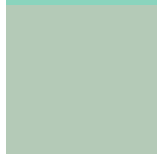
56.1185, 0.2608, 0.3074

# Trichromacy



## Original Color

56.1644, 0.2768, 0.3598



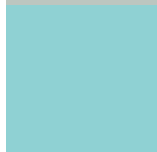
## Protanomaly

55.3633, 0.3093, 0.3531



## Deuteranomaly

54.8853, 0.3092, 0.3364



## Tritanomaly

56.1437, 0.2667, 0.3263

# Monochromacy



## Original Color

56.1644, 0.2768, 0.3598



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.5457, 0.2975, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1644, 0.2768, 0.3598 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(138, 212, 189)` looks like.

```
.text, #text, p{  
    color:rgb(138, 212, 189)  
}
```

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(138, 212, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 212, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1644, 0.2768, 0.3598 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(138, 212, 189) }
```

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

```
.border{ border-color:rgb(138, 212, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 212, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 212, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 212, 189); box-shadow:4px 4px 4px 4px rgb(138, 212, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1644, 0.2768, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 212, 189) }
```

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

```
.background{ background-color: rgb(138,  
212, 189) }
```

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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