

# Converting Colors

$Yxy(70.4093, 0.2689, 0.3591)$

Have a look what the booklet for  
Yxy(70.4093, 0.2689, 0.3591)  
contains.

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# Color

**Yxy(70.3198, 0.2687, 0.3586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CECD4
RGB	140, 236, 212
RGB Percent	55%, 93%, 83%
CMY	0.4511, 0.0745, 0.1686
CMYK	0.41, 0.00, 0.10, 0.07
HSL	165°, 72%, 74%
HSV	165°, 41%, 93%
XYZ	52.6908, 70.3198, 73.0847
YIQ	204.5600, -49.5120, -27.8160

# Conversions

## Conversions Part 2

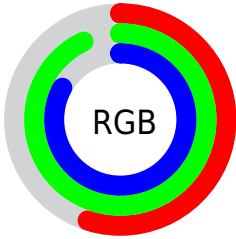
Format	Color
<a href="#">RYB</a>	<a href="#">140, 195, 236</a>
Decimal	<a href="#">9235668</a>
CIELab	<a href="#">87.15, -33.89, 2.74</a>
CIELCh	<a href="#">87, 33.996, 175.381</a>
Yxy	<a href="#">70.3198, 0.2687, 0.3586</a>
Android (android.graphics.Color)	<a href="#">4287425748 (0xFF8CECD4)</a>
YUV	<a href="#">204.5600, 3.6679, -56.6191</a>
Hunter-Lab	<a href="#">83.8569, -34.5905, 7.0262</a>

# Details

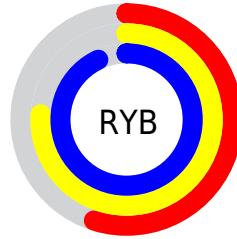
The Yxy color **70.3198, 0.2687, 0.3586** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.2623, 0.3899, 0.3021**, and the grayscale version is **60.7540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **36.9158, 0.2583, 0.3672** is the 20% darker color. If you saturate the color by 10%, you get **68.1957, 0.2607, 0.3673**, and if you desaturate by 10%, it is **72.9000, 0.2781, 0.3504**.

# Distribution



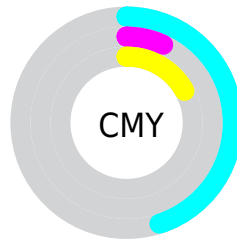
- Red (55%)
- Green (93%)
- Blue (83%)



- Red (55%)
- Yellow (76%)
- Blue (93%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




- Cyan (45%)
- Magenta (7%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3198, 0.2687, 0.3586 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 70.3198, 0.2687, 0.3586 by changing the saturation by 10% instead.




 70.3198, 0.2687,  
0.3586


 70.3198, 0.2687,  
0.3586


461.6721, 0.2892,  
0.3447

 51.7873, 0.2640,  
0.3618


 119.6647, 0.2758,  
0.3537

 36.8356, 0.2581,  
0.3659


 151.2459, 0.2786,  
0.3518

 25.0802, 0.2507,  
0.3710


187.9454, 0.2810,  
0.3502

 16.1368, 0.2410,  
0.3778

230.1477, 0.2831,  
0.3488

 9.6210, 0.2277,  
0.3873

278.2371, 0.2849,  
0.3476

 5.1484, 0.2086,  
0.4011

332.5980, 0.2865,

 2.3346, 0.1787,

0.3465

0.4234

393.6149, 0.2879,  
0.3455

0.7919, 0.0000,  
0.5414

0.0000, 0.0000,  
0.0000

70.3198, 0.2687,  
0.3586

70.3198, 0.2687,  
0.3586

68.1957, 0.2607,  
0.3673

72.9000, 0.2781,  
0.3504

66.4908, 0.2544,  
0.3764


75.9538, 0.2887,  
0.3428

65.1761, 0.2499,  
0.3857


79.5081, 0.3000,  
0.3358


64.2151, 0.2475,  
0.3951

83.5850, 0.3119,  
0.3294


 63.5645, 0.2471,  
0.4045

 87.6366, 0.3220,  
0.3237

 63.1708, 0.2481,  
0.4131

 87.9959, 0.3183,  
0.3180

 88.3667, 0.3146,  
0.3123

 88.4758, 0.3136,  
0.3107

# Harmonies

## Analogous

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



70.3198, 0.3063, 0.3916



70.3198, 0.2687, 0.3586



70.3198, 0.2438, 0.3179

# Triad

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



70.3198, 0.2687, 0.3586



70.3198, 0.2753, 0.2630



70.3198, 0.3953, 0.3661

# Complementary

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



70.3198, 0.2687, 0.3586



39.2623, 0.3899, 0.3021

# 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.



70.3198, 0.3866, 0.3329



70.3198, 0.2687, 0.3586



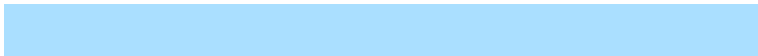
70.3198, 0.3149, 0.2759

# Square

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



70.3198, 0.2687, 0.3586



70.3198, 0.2475, 0.2652



70.3198, 0.3564, 0.3008



70.3198, 0.3803, 0.3928

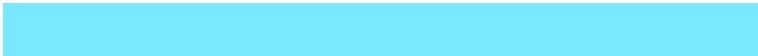


# Rectangle

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



70.3198, 0.2687, 0.3586



70.3198, 0.2368, 0.2940



70.3198, 0.3564, 0.3008



70.3198, 0.3951, 0.3554

# Sweetspot

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



70.3226, 0.2687, 0.3586



94.1684, 0.2984, 0.3367



69.7791, 0.3219, 0.4489



20.0318, 0.2969, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

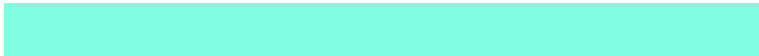


# Same Dimension

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



70.3226, 0.2687, 0.3586



81.6390, 0.2618, 0.3660



58.7166, 0.2521, 0.2991



17.0538, 0.3014, 0.3350



34.8398, 0.2477, 0.4116



2.7510, 0.2441, 0.3987



# Inverse Universe

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



39.2623, 0.3899, 0.3021



39.8217, 0.4152, 0.2969



46.2716, 0.4051, 0.3564



15.1158, 0.3254, 0.3231



10.0212, 0.5927, 0.3039

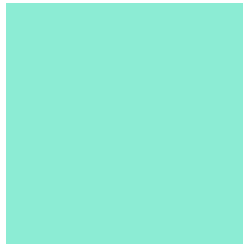


0.8019, 0.5536, 0.2824



# Previews

## White Background



This preview shows how the Yxy color 70.3198, 0.2687, 0.3586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

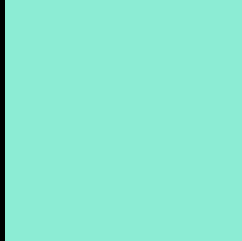
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3198, 0.2687, 0.3586 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

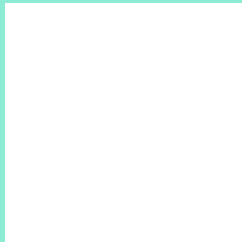
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.3198, 0.2687, 0.3586**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3198, 0.2687, 0.3586.

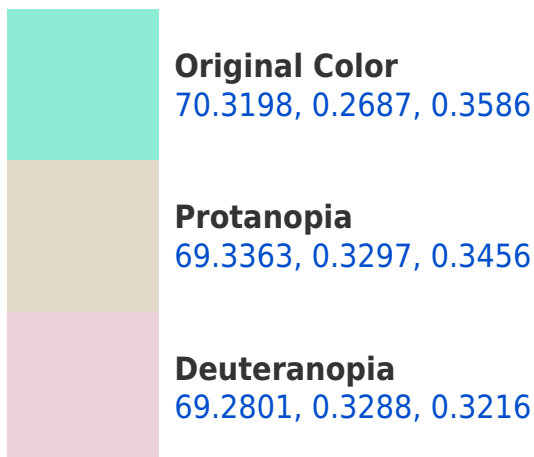


This preview shows how white text looks on a background with the Yxy color 70.3198, 0.2687, 0.3586.

# 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

70.4754, 0.2545, 0.3079

# Trichromacy



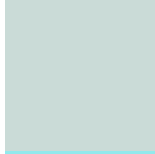
## Original Color

70.3198, 0.2687, 0.3586



## Protanomaly

68.6525, 0.3041, 0.3500



## Deuteranomaly

68.1259, 0.3033, 0.3335



## Tritanomaly

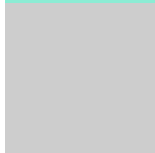
70.4449, 0.2592, 0.3253

# Monochromacy



## Original Color

70.3198, 0.2687, 0.3586



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.4896, 0.2933, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3198, 0.2687, 0.3586 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(140, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(140, 236, 212)  
}
```

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(140, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 236, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3198, 0.2687, 0.3586 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(140, 236, 212) }
```

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

```
.border{ border-color:rgb(140, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(140, 236,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3198, 0.2687, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 236, 212) }
```

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

```
.background{ background-color: rgb(140,  
236, 212) }
```

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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