

Converting Colors

$Yxy(68.7126, 0.2799, 0.3859)$

Have a look what the booklet for
Yxy(68.7126, 0.2799, 0.3859)
contains.

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Color

Yxy(68.7098, 0.2801, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	8CEBBE
RGB	140, 235, 190
RGB Percent	55%, 92%, 75%
CMY	0.4508, 0.0784, 0.2550
CMYK	0.40, 0.00, 0.19, 0.08
HSL	152°, 70%, 74%
HSV	152°, 40%, 92%
XYZ	49.8204, 68.7098, 59.3362
YIQ	201.4650, -42.1750, -34.1350

Conversions

Conversions Part 2

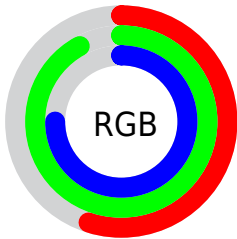
Format	Color
RYB	140, 202, 235
Decimal	9235390
CIELab	86.36, -38.06, 13.12
CIELCh	86, 40.262, 160.980
Yxy	68.7098, 0.2801, 0.3863
Android (android.graphics.Color)	4287425470 (0xFF8CEBBE)
YUV	201.4650, -5.6522, -53.9048
Hunter-Lab	82.8914, -37.7757, 15.5823

Details

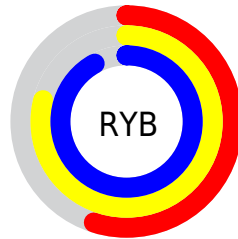
The Yxy color **68.7098, 0.2801, 0.3863** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.9363, 0.3659, 0.2788**, and the grayscale version is **58.7736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0441, 0.2835, 0.3384**, and **35.9312, 0.2713, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **66.4150, 0.2741, 0.4037**, and if you desaturate by 10%, it is **71.4834, 0.2872, 0.3701**.

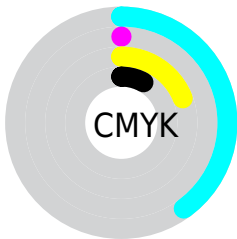
Distribution



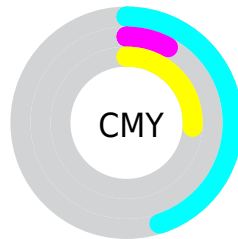
- Red (55%)
- Green (92%)
- Blue (75%)



- Red (55%)
- Yellow (79%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (8%)





- Cyan (45%)
- Magenta (8%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7098, 0.2801, 0.3863 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 68.7098, 0.2801, 0.3863 by changing the saturation by 10% instead.


 68.7098, 0.2801,
0.3863


 68.7098, 0.2801,
0.3863


456.0068, 0.2959,
0.3584

 50.4754, 0.2763,
0.3930


 117.3670, 0.2857,
0.3763

 35.7913, 0.2716,
0.4015


 148.5586, 0.2878,
0.3725

 24.2730, 0.2654,
0.4126


184.8380, 0.2897,
0.3693

 15.5363, 0.2571,
0.4277

226.5897, 0.2912,
0.3665

 9.1966, 0.2454,
0.4493

274.1980, 0.2926,
0.3641

 4.8697, 0.2274,
0.4825

328.0474, 0.2938,

 2.1710, 0.1970,

0.3620

388.5222, 0.2949,
0.3601

0.5399

0.7041, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7098, 0.2801,
0.3863

68.7098, 0.2801,
0.3863

66.4150, 0.2741,
0.4037

71.4834, 0.2872,
0.3701

64.5618, 0.2697,
0.4219


74.7536, 0.2952,
0.3551


63.1209, 0.2670,
0.4407


78.5477, 0.3036,
0.3416


62.0555, 0.2664,
0.4594

82.8884, 0.3124,
0.3295

 61.3222, 0.2678,
0.4777

 87.3116, 0.3194,
0.3186

 60.8614, 0.2707,
0.4944

 87.8969, 0.3136,
0.3097

Harmonies

Analogous

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



68.7098, 0.3281, 0.4154



68.7098, 0.2801, 0.3863



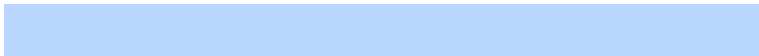
68.7098, 0.2428, 0.3385

Triad

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



68.7098, 0.2801, 0.3863



68.7098, 0.2504, 0.2502



68.7098, 0.4101, 0.3533

Complementary

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



68.7098, 0.2801, 0.3863



39.9363, 0.3659, 0.2788

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.



68.7098, 0.3863, 0.3142



68.7098, 0.2801, 0.3863



68.7098, 0.2912, 0.2574

Square

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



68.7098, 0.2801, 0.3863



68.7098, 0.2270, 0.2615



68.7098, 0.3414, 0.2802



68.7098, 0.4049, 0.3901

Rectangle

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



68.7098, 0.2801, 0.3863



68.7098, 0.2281, 0.3064



68.7098, 0.3414, 0.2802



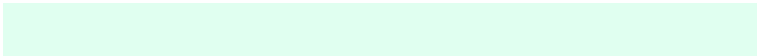
68.7098, 0.4053, 0.3401

Sweetspot

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



68.7126, 0.2801, 0.3863



93.7518, 0.3022, 0.3437



71.7430, 0.3371, 0.4423



19.9336, 0.3011, 0.3455



0.0000, 0.0000, 0.0000



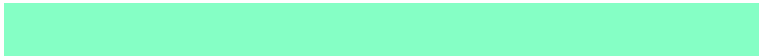
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7126, 0.2801, 0.3863



80.5036, 0.2753, 0.3998



70.0919, 0.2569, 0.3269



16.9945, 0.3044, 0.3404



33.8980, 0.2699, 0.4917



2.6812, 0.2631, 0.4673

Inverse Universe

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



39.9363, 0.3659, 0.2788



41.6714, 0.3812, 0.2695



38.7914, 0.4150, 0.3311



15.1730, 0.3219, 0.3179



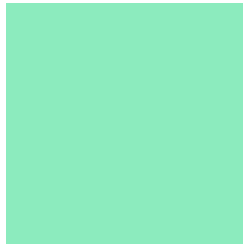
10.4992, 0.5066, 0.2564



0.8438, 0.4741, 0.2385

Previews

White Background



This preview shows how the Yxy color 68.7098, 0.2801, 0.3863 looks on a white background.

Color Contrast Check

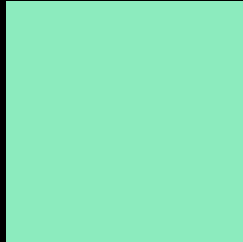
Large Text (above 18pt) WCAG AA × Fail

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 68.7098, 0.2801, 0.3863 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 68.7098, 0.2801, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 68.7098, 0.2801, 0.3863.

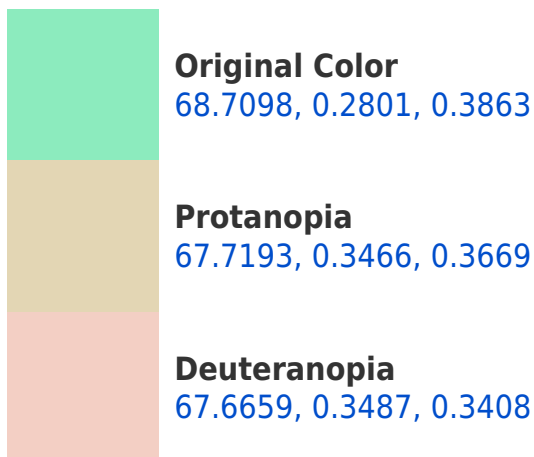


This preview shows how white text looks on a background with the Yxy color 68.7098, 0.2801, 0.3863.

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

68.3643, 0.2567, 0.3066

Trichromacy



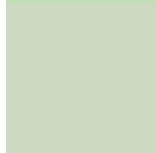
Original Color

68.7098, 0.2801, 0.3863



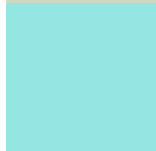
Protanomaly

67.3053, 0.3184, 0.3741



Deuteranomaly

66.6426, 0.3202, 0.3556



Tritanomaly

68.3805, 0.2647, 0.3337

Monochromacy



Original Color

68.7098, 0.2801, 0.3863



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2034, 0.2989, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7098, 0.2801, 0.3863 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, 235, 190)` looks like.

```
.text, #text, p{  
    color:rgb(140, 235, 190)  
}
```

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, 235, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 235, 190) }
```

Border

The CSS property to change the border of an element to Yxy 68.7098, 0.2801, 0.3863 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, 235, 190) }
```

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

```
.border{ border-color:rgb(140, 235, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 235, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 235, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 235, 190);  
box-shadow:4px 4px 4px 4px rgb(140, 235,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7098, 0.2801, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 235, 190) }
```

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

```
.background{ background-color: rgb(140,  
235, 190) }
```

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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