

Converting Colors

$Yxy(68.0370, 0.2760, 0.3676)$

Have a look what the booklet for
Yxy(68.0370, 0.2760, 0.3676)
contains.

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Color

Yxy(67.8596, 0.2760, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	90E8C9
RGB	144, 232, 201
RGB Percent	56%, 91%, 79%
CMY	0.4351, 0.0902, 0.2117
CMYK	0.38, 0.00, 0.13, 0.09
HSL	159°, 66%, 74%
HSV	159°, 38%, 91%
XYZ	50.9085, 67.8596, 65.6831
YIQ	202.1540, -42.4970, -28.2970

Conversions

Conversions Part 2

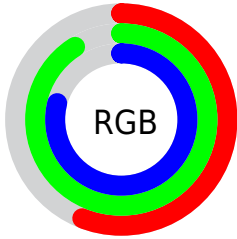
Format	Color
RYB	144, 197, 232
Decimal	9496777
CIELab	85.94, -33.32, 6.76
CIELCh	86, 34.002, 168.529
Yxy	67.8596, 0.2760, 0.3679
Android (android.graphics.Color)	4287686857 (0xFF90E8C9)
YUV	202.1540, -0.5689, -51.0011
Hunter-Lab	82.3769, -33.8475, 10.3891

Details

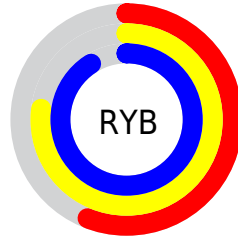
The Yxy color **67.8596, 0.2760, 0.3679** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.2131, 0.3726, 0.2938**, and the grayscale version is **59.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **35.2811, 0.2670, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **65.6082, 0.2685, 0.3803**, and if you desaturate by 10%, it is **70.5662, 0.2847, 0.3563**.

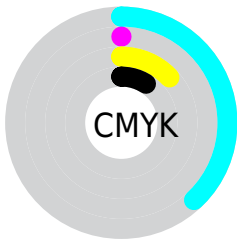
Distribution



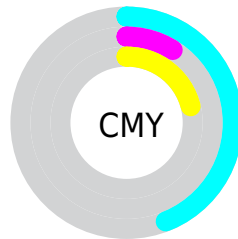
- Red (56%)
- Green (91%)
- Blue (79%)



- Red (56%)
- Yellow (77%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)




- Cyan (44%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8596, 0.2760, 0.3679 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 67.8596, 0.2760, 0.3679 by changing the saturation by 10% instead.


 67.8596, 0.2760,
0.3679


 67.8596, 0.2760,
0.3679


452.9984, 0.2934,
0.3492

 49.7835, 0.2719,
0.3724


 116.1513, 0.2821,
0.3613

 35.2414, 0.2668,
0.3779


 147.1356, 0.2845,
0.3587

 23.8489, 0.2603,
0.3852


183.1916, 0.2865,
0.3566

 15.2216, 0.2516,
0.3950

224.7035, 0.2882,
0.3547

 8.9750, 0.2396,
0.4088

272.0557, 0.2898,
0.3531

 4.7249, 0.2217,
0.4298

325.6327, 0.2911,

 2.0868, 0.1926,

0.3516

385.8188, 0.2923,
0.3503

0.4654

0.6572, 0.0000,
0.7302

0.0000, 0.0000,
0.0000

67.8596, 0.2760,
0.3679

67.8596, 0.2760,
0.3679

65.6082, 0.2685,
0.3803

70.5662, 0.2847,
0.3563

63.7770, 0.2626,
0.3933


73.7443, 0.2943,
0.3457

62.3390, 0.2585,
0.4069


77.4194, 0.3044,
0.3360

61.2605, 0.2563,
0.4206


81.6127, 0.3149,
0.3273

 60.5019, 0.2562,
0.4343

 85.3740, 0.3221,
0.3194

 60.0085, 0.2580,
0.4477

 85.8758, 0.3169,
0.3115

 59.9216, 0.2585,
0.4504

 86.1906, 0.3138,
0.3068

Harmonies

Analogous

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



67.8596, 0.3158, 0.3974



67.8596, 0.2760, 0.3679



67.8596, 0.2473, 0.3270

Triad

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



67.8596, 0.2760, 0.3679



67.8596, 0.2671, 0.2613



67.8596, 0.3965, 0.3591

Complementary

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



67.8596, 0.2760, 0.3679



40.2131, 0.3726, 0.2938

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.



67.8596, 0.3822, 0.3251



67.8596, 0.2760, 0.3679



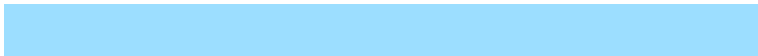
67.8596, 0.3051, 0.2711

Square

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



67.8596, 0.2760, 0.3679



67.8596, 0.2426, 0.2674



67.8596, 0.3478, 0.2939



67.8596, 0.3865, 0.3884

Rectangle

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



67.8596, 0.2760, 0.3679



67.8596, 0.2374, 0.3012



67.8596, 0.3478, 0.2939



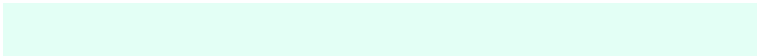
67.8596, 0.3944, 0.3479

Sweetspot

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



67.8624, 0.2760, 0.3679



94.4426, 0.3012, 0.3389



68.9906, 0.3286, 0.4371



20.0796, 0.2998, 0.3402



0.0000, 0.0000, 0.0000



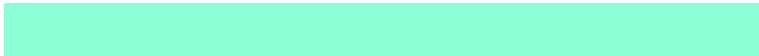
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8624, 0.2760, 0.3679



82.0019, 0.2704, 0.3769



63.0877, 0.2579, 0.3145



16.2457, 0.3028, 0.3374



33.2924, 0.2579, 0.4483



2.4777, 0.2524, 0.4287

Inverse Universe

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



40.2131, 0.3726, 0.2938



43.4120, 0.3900, 0.2871



42.8722, 0.4011, 0.3428



14.4514, 0.3237, 0.3207



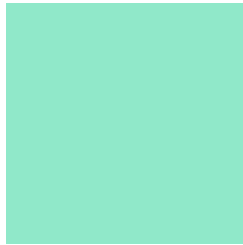
9.8817, 0.5562, 0.2838



0.7474, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 67.8596, 0.2760, 0.3679 looks on a white background.

Color Contrast Check

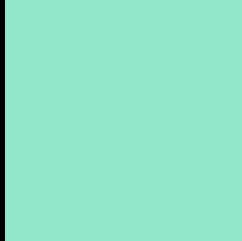
Large Text (above 18pt) WCAG AA × Fail

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 67.8596, 0.2760, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

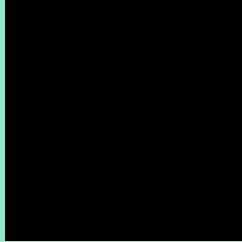
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

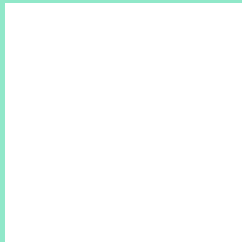
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8596, 0.2760, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 67.8596, 0.2760, 0.3679.

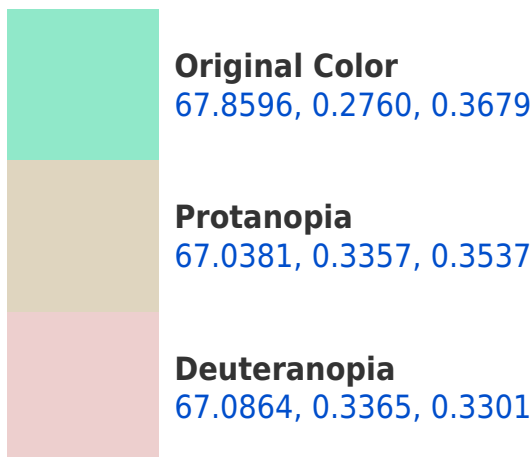


This preview shows how white text looks on a background with the Yxy color 67.8596, 0.2760, 0.3679.

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

67.7944, 0.2580, 0.3077

Trichromacy



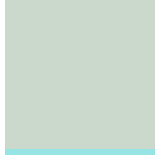
Original Color

67.8596, 0.2760, 0.3679



Protanomaly

66.5959, 0.3106, 0.3586



Deuteranomaly

66.1679, 0.3113, 0.3429



Tritanomaly

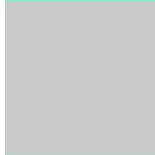
67.5723, 0.2644, 0.3289

Monochromacy



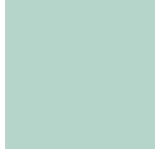
Original Color

67.8596, 0.2760, 0.3679



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.6765, 0.2970, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8596, 0.2760, 0.3679 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(144, 232, 201)` looks like.

```
.text, #text, p{  
    color:rgb(144, 232, 201)  
}
```

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(144, 232, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 232, 201) }
```

Border

The CSS property to change the border of an element to Yxy 67.8596, 0.2760, 0.3679 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(144, 232, 201) }
```

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

```
.border{ border-color:rgb(144, 232, 201) }
```

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

Here you see how a box with a 4 pixel rgb(144, 232, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 232, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 232, 201);  
box-shadow:4px 4px 4px 4px rgb(144, 232,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8596, 0.2760, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 232, 201) }
```

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

```
.background{ background-color: rgb(144,  
232, 201) }
```

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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