

Converting Colors

$Yxy(68.3933, 0.2761, 0.3643)$

Have a look what the booklet for
Yxy(68.3933, 0.2761, 0.3643)
contains.

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Color

Yxy(68.2759, 0.2760, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	93E8CC
RGB	147, 232, 204
RGB Percent	58%, 91%, 80%
CMY	0.4236, 0.0902, 0.2001
CMYK	0.37, 0.00, 0.12, 0.09
HSL	160°, 65%, 74%
HSV	160°, 37%, 91%
XYZ	51.7839, 68.2759, 67.5629
YIQ	203.3930, -41.6720, -26.7280

Conversions

Conversions Part 2

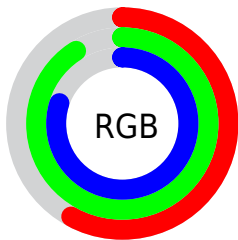
Format	Color
RYB	147, 198, 232
Decimal	9693388
CIELab	86.14, -31.91, 5.52
CIElCh	86, 32.380, 170.178
Yxy	68.2759, 0.2760, 0.3639
Android (android.graphics.Color)	4287883468 (0xFF93E8CC)
YUV	203.3930, 0.2993, -49.4567
Hunter-Lab	82.6292, -32.7349, 9.3612

Details

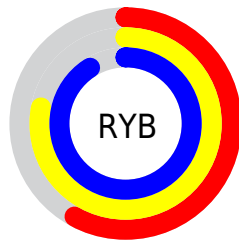
The Yxy color **68.2759, 0.2760, 0.3639** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.1155, 0.3719, 0.2972**, and the grayscale version is **59.9970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **35.5280, 0.2669, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **65.9880, 0.2681, 0.3753**, and if you desaturate by 10%, it is **71.0198, 0.2851, 0.3532**.

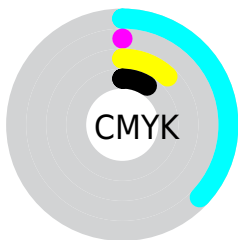
Distribution



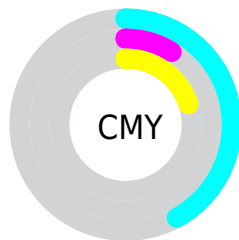
- Red (58%)
- Green (91%)
- Blue (80%)



- Red (58%)
- Yellow (78%)
- Blue (91%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (42%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2759, 0.2760, 0.3639 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 68.2759, 0.2760, 0.3639 by changing the saturation by 10% instead.


 68.2759, 0.2760,
0.3639

 68.2759, 0.2760,
0.3639


454.4729, 0.2933,
0.3472

 50.1222, 0.2720,
0.3679


 116.7468, 0.2821,
0.3580

 35.5105, 0.2669,
0.3728


 147.8327, 0.2844,
0.3557

 24.0564, 0.2605,
0.3792


183.9982, 0.2864,
0.3538

 15.3755, 0.2519,
0.3878

225.6277, 0.2882,
0.3521

 9.0833, 0.2401,
0.3999

273.1055, 0.2897,
0.3507

 4.7956, 0.2227,
0.4182

326.8160, 0.2911,

 2.1278, 0.1945,

0.3494

0.4488

387.1437, 0.2923,
0.3482

0.6802, 0.0000,
0.6574

0.0000, 0.0000,
0.0000

68.2759, 0.2760,
0.3639

68.2759, 0.2760,
0.3639

65.9880, 0.2681,
0.3753

71.0198, 0.2851,
0.3532

64.1215, 0.2618,
0.3874


74.2357, 0.2950,
0.3434


62.6498, 0.2572,
0.3999


77.9488, 0.3055,
0.3344

61.5398, 0.2546,
0.4127


82.1800, 0.3164,
0.3264


 60.7530, 0.2541,
0.4254

 85.4025, 0.3219,
0.3190

 60.2404, 0.2555,
0.4380

 85.8723, 0.3170,
0.3117

 60.1027, 0.2562,
0.4422

 86.1984, 0.3138,
0.3068

Harmonies

Analogous

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



68.2759, 0.3136, 0.3928



68.2759, 0.2760, 0.3639



68.2759, 0.2493, 0.3251

Triad

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



68.2759, 0.2760, 0.3639



68.2759, 0.2711, 0.2645



68.2759, 0.3924, 0.3596

Complementary

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



68.2759, 0.2760, 0.3639



41.1155, 0.3719, 0.2972

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.



68.2759, 0.3800, 0.3273



68.2759, 0.2760, 0.3639



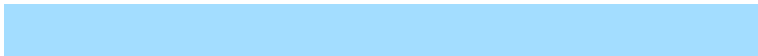
68.2759, 0.3078, 0.2746

Square

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



68.2759, 0.2760, 0.3639



68.2759, 0.2467, 0.2696



68.2759, 0.3482, 0.2970



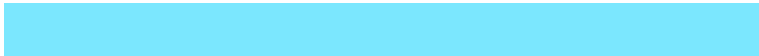
68.2759, 0.3818, 0.3869

Rectangle

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



68.2759, 0.2760, 0.3639



68.2759, 0.2405, 0.3009



68.2759, 0.3482, 0.2970



68.2759, 0.3908, 0.3490

Sweetspot

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



68.2787, 0.2760, 0.3639



94.4815, 0.3008, 0.3383



68.9762, 0.3262, 0.4337



20.0889, 0.2994, 0.3395



0.0000, 0.0000, 0.0000



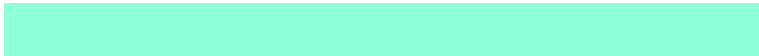
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2787, 0.2760, 0.3639



82.4045, 0.2699, 0.3725



62.0873, 0.2590, 0.3115



16.2514, 0.3025, 0.3369



33.3879, 0.2556, 0.4401



2.4842, 0.2505, 0.4219

Inverse Universe

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



41.1155, 0.3719, 0.2972



44.1315, 0.3902, 0.2906



44.8074, 0.3958, 0.3456



14.4460, 0.3241, 0.3213



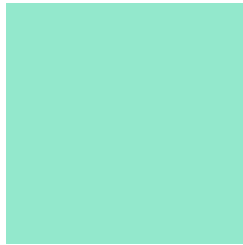
9.8384, 0.5648, 0.2885



0.7437, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 68.2759, 0.2760, 0.3639 looks on a white background.

Color Contrast Check

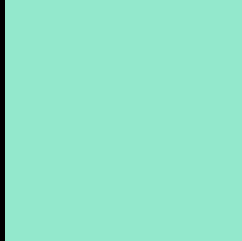
Large Text (above 18pt) WCAG AA × Fail

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 68.2759, 0.2760, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

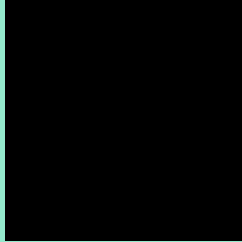
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

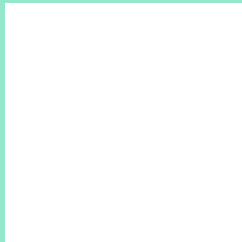
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2759, 0.2760, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 68.2759, 0.2760, 0.3639.



This preview shows how white text looks on a background with the Yxy color 68.2759, 0.2760, 0.3639.

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

68.2759, 0.2760, 0.3639

Protanopia

67.6762, 0.3334, 0.3514

Deuteranopia

67.2336, 0.3343, 0.3269



Tritanopia

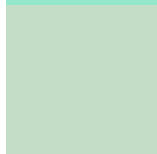
68.0925, 0.2596, 0.3078

Trichromacy



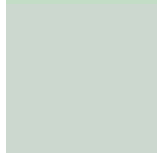
Original Color

68.2759, 0.2760, 0.3639



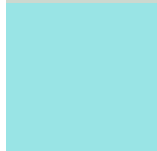
Protanomaly

67.3922, 0.3093, 0.3560



Deuteranomaly

66.4541, 0.3101, 0.3393



Tritanomaly

67.9163, 0.2655, 0.3277

Monochromacy



Original Color

68.2759, 0.2760, 0.3639



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.4722, 0.2978, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2759, 0.2760, 0.3639 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(147, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(147, 232, 204)  
}
```

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(147, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 232, 204) }
```

Border

The CSS property to change the border of an element to Yxy 68.2759, 0.2760, 0.3639 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(147, 232, 204) }
```

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

```
.border{ border-color:rgb(147, 232, 204) }
```

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

Here you see how a box with a 4 pixel rgb(147, 232, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(147, 232,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2759, 0.2760, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 232, 204) }
```

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

```
.background{ background-color: rgb(147,  
232, 204) }
```

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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