

Converting Colors

$Yxy(68.7936, 0.2770, 0.3665)$

Have a look what the booklet for
Yxy(68.7936, 0.2770, 0.3665)
contains.

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Color

Yxy(68.7927, 0.2767, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	93E9CB
RGB	147, 233, 203
RGB Percent	58%, 91%, 80%
CMY	0.4231, 0.0863, 0.2039
CMYK	0.37, 0.00, 0.13, 0.09
HSL	159°, 66%, 75%
HSV	159°, 37%, 91%
XYZ	51.9654, 68.7927, 67.0461
YIQ	203.8660, -41.6260, -27.5620

Conversions

Conversions Part 2

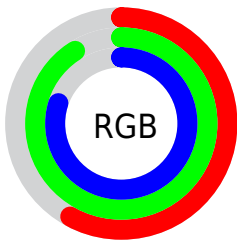
Format	Color
RYB	147, 199, 233
Decimal	9693643
CIELab	86.40, -32.54, 6.40
CIElCh	86, 33.161, 168.867
Yxy	68.7927, 0.2767, 0.3663
Android (android.graphics.Color)	4287883723 (0xFF93E9CB)
YUV	203.8660, -0.4269, -49.8715
Hunter-Lab	82.9414, -33.3114, 10.1315

Details

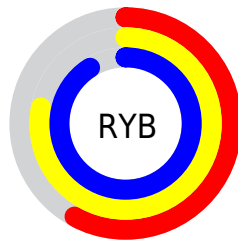
The Yxy color **68.7927, 0.2767, 0.3663** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.3984, 0.3706, 0.2951**, and the grayscale version is **60.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **35.8895, 0.2678, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **66.4758, 0.2691, 0.3785**, and if you desaturate by 10%, it is **71.5718, 0.2855, 0.3549**.

Distribution



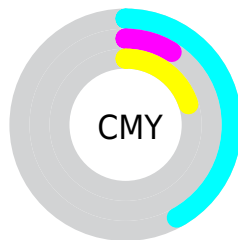
- Red (58%)
- Green (91%)
- Blue (80%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7927, 0.2767, 0.3663 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 68.7927, 0.2767, 0.3663 by changing the saturation by 10% instead.

 68.7927, 0.2767,
0.3663

 68.7927, 0.2767,
0.3663


456.2995, 0.2937,
0.3484

 50.5429, 0.2727,
0.3705


 117.4854, 0.2827,
0.3600

 35.8450, 0.2678,
0.3759


 148.6972, 0.2850,
0.3576

 24.3145, 0.2614,
0.3827


184.9983, 0.2869,
0.3555

 15.5671, 0.2530,
0.3919

226.7733, 0.2887,
0.3537

 9.2183, 0.2414,
0.4050

274.4066, 0.2902,
0.3521

 4.8839, 0.2241,
0.4246

328.2824, 0.2915,

 2.1793, 0.1963,

0.3508

0.4577

388.7852, 0.2927,
0.3495

0.7087, 0.0000,
0.6863

0.0000, 0.0000,
0.0000

68.7927, 0.2767,
0.3663

68.7927, 0.2767,
0.3663

66.4758, 0.2691,
0.3785

71.5718, 0.2855,
0.3549

64.5859, 0.2629,
0.3914

74.8293, 0.2952,
0.3445

63.0962, 0.2586,
0.4047

78.5907, 0.3055,
0.3350

61.9730, 0.2562,
0.4183

82.8773, 0.3161,
0.3264

■ 61.1771, 0.2558,
0.4318

■ 86.0422, 0.3209,
0.3186

■ 60.6583, 0.2574,
0.4451

■ 86.5462, 0.3157,
0.3108

■ 60.5268, 0.2581,
0.4493

■ 86.7505, 0.3137,
0.3078

Harmonies

Analogous

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



68.7927, 0.3153, 0.3951



68.7927, 0.2767, 0.3663



68.7927, 0.2489, 0.3267

Triad

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



68.7927, 0.2767, 0.3663



68.7927, 0.2688, 0.2631



68.7927, 0.3941, 0.3587

Complementary

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



68.7927, 0.2767, 0.3663



41.3984, 0.3706, 0.2951

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.



68.7927, 0.3804, 0.3257



68.7927, 0.2767, 0.3663



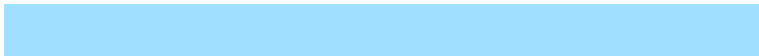
68.7927, 0.3059, 0.2728

Square

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



68.7927, 0.2767, 0.3663



68.7927, 0.2447, 0.2689



68.7927, 0.3472, 0.2951



68.7927, 0.3842, 0.3871

Rectangle

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



68.7927, 0.2767, 0.3663



68.7927, 0.2393, 0.3017



68.7927, 0.3472, 0.2951



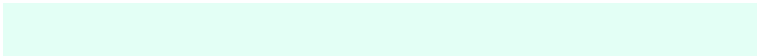
68.7927, 0.3921, 0.3479

Sweetspot

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



68.7955, 0.2767, 0.3663



94.4482, 0.3011, 0.3388



69.7465, 0.3273, 0.4341



20.0810, 0.2997, 0.3401



0.0000, 0.0000, 0.0000



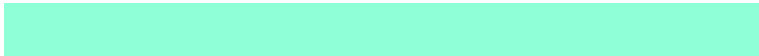
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7955, 0.2767, 0.3663



82.2915, 0.2710, 0.3752



63.3363, 0.2590, 0.3131



17.0274, 0.3028, 0.3374



34.3728, 0.2576, 0.4472



2.7172, 0.2525, 0.4288

Inverse Universe

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



41.3984, 0.3706, 0.2951



44.2206, 0.3879, 0.2884



44.5679, 0.3971, 0.3440



15.1409, 0.3238, 0.3208



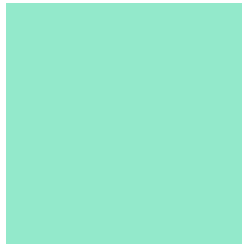
10.1908, 0.5577, 0.2846



0.8178, 0.5192, 0.2634

Previews

White Background



This preview shows how the Yxy color 68.7927, 0.2767, 0.3663 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 68.7927, 0.2767, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

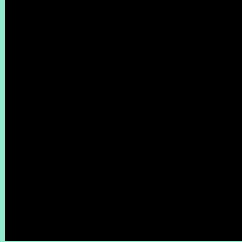
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7927, 0.2767, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 68.7927, 0.2767, 0.3663.

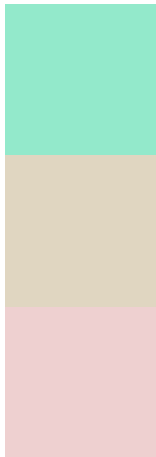


This preview shows how white text looks on a background with the Yxy color 68.7927, 0.2767, 0.3663.

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

68.7927, 0.2767, 0.3663

Protanopia

67.7907, 0.3349, 0.3524

Deuteranopia

67.8430, 0.3357, 0.3291



Tritanopia

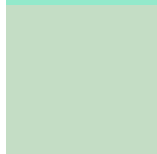
68.6988, 0.2593, 0.3079

Trichromacy



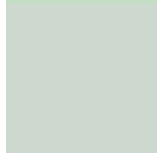
Original Color

68.7927, 0.2767, 0.3663



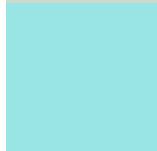
Protanomaly

67.4799, 0.3107, 0.3572



Deuteranomaly

67.0611, 0.3114, 0.3416



Tritanomaly

68.5241, 0.2651, 0.3277

Monochromacy



Original Color

68.7927, 0.2767, 0.3663



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.0278, 0.2972, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7927, 0.2767, 0.3663 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, 233, 203)` looks like.

```
.text, #text, p{  
    color:rgb(147, 233, 203)  
}
```

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, 233, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 233, 203) }
```

Border

The CSS property to change the border of an element to Yxy 68.7927, 0.2767, 0.3663 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, 233, 203) }
```

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

```
.border{ border-color:rgb(147, 233, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 233, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 233, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 233, 203);  
box-shadow:4px 4px 4px 4px rgb(147, 233,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7927, 0.2767, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 233, 203) }
```

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

```
.background{ background-color: rgb(147,  
233, 203) }
```

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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