

Converting Colors

$Y_{xy}(75.8680, 0.2843, 0.3791)$

Have a look what the booklet for
Yxy(75.8680, 0.2843, 0.3791)
contains.

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Color

Yxy(75.6346, 0.2842, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	9EF3CA
RGB	158, 243, 202
RGB Percent	62%, 95%, 79%
CMY	0.3801, 0.0471, 0.2079
CMYK	0.35, 0.00, 0.17, 0.05
HSL	151°, 78%, 79%
HSV	151°, 35%, 95%
XYZ	56.8209, 75.6346, 67.4773
YIQ	212.9110, -37.4990, -30.7710

Conversions

Conversions Part 2

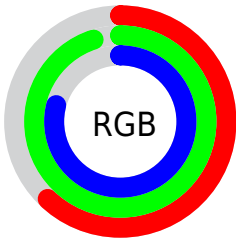
Format	Color
RYB	158, 214, 243
Decimal	10417098
CIELab	89.69, -34.35, 11.71
CIELCh	90, 36.293, 161.180
Yxy	75.6346, 0.2842, 0.3783
Android (android.graphics.Color)	4288607178 (0xFF9EF3CA)
YUV	212.9110, -5.3791, -48.1569
Hunter-Lab	86.9682, -35.5707, 14.8755

Details

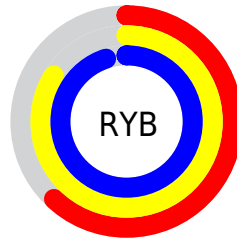
The Yxy color **75.6346, 0.2842, 0.3783** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.6574, 0.3557, 0.2848**, and the grayscale version is **66.5433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **40.1395, 0.2769, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **72.8763, 0.2777, 0.3955**, and if you desaturate by 10%, it is **78.9286, 0.2917, 0.3624**.

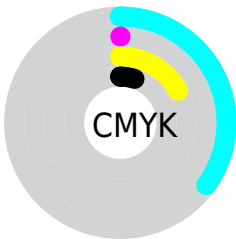
Distribution



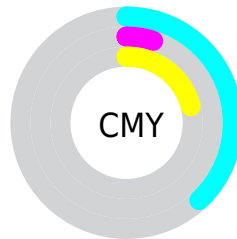
- Red (62%)
- Green (95%)
- Blue (79%)



- Red (62%)
- Yellow (84%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (38%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6346, 0.2842, 0.3783 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 75.6346, 0.2842, 0.3783 by changing the saturation by 10% instead.


 75.6346, 0.2842,
0.3783


 75.6346, 0.2842,
0.3783

480.0959, 0.2977,
0.3548

 56.1329, 0.2810,
0.3838


 127.2103, 0.2889,
0.3700

 40.3095, 0.2771,
0.3908


 160.0530, 0.2908,
0.3668

 27.7800, 0.2721,
0.3997


198.1117, 0.2923,
0.3641

 18.1598, 0.2654,
0.4116

241.7705, 0.2937,
0.3618

 11.0648, 0.2561,
0.4282

291.4139, 0.2949,
0.3597

 6.1104, 0.2423,
0.4532


347.4264, 0.2959,

 2.9124, 0.2201,


0.3579

0.4942

410.1923, 0.2969,
0.3563


 1.0861, 0.1119,
0.6719


 0.0000, 0.0000,
0.0000

 75.6346, 0.2842,
0.3783


 75.6346, 0.2842,
0.3783


 72.8763, 0.2777,
0.3955

 78.9286, 0.2917,
0.3624


 70.6145, 0.2724,
0.4137

 82.7763, 0.2999,
0.3480

 68.8196, 0.2688,
0.4326

 87.2064, 0.3084,
0.3349

 67.4546, 0.2672,
0.4518

 92.1921, 0.3169,
0.3233

■ 66.4766, 0.2675,
0.4707

■ 92.5776, 0.3133,
0.3175

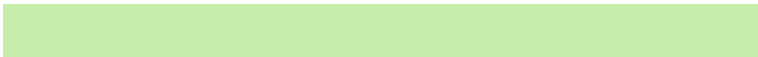
■ 65.8330, 0.2699,
0.4889

■ 65.5959, 0.2716,
0.4977

Harmonies

Analogous

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



75.6346, 0.3264, 0.4036



75.6346, 0.2842, 0.3783



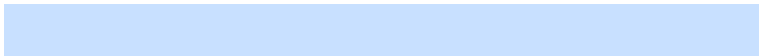
75.6346, 0.2512, 0.3373

Triad

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



75.6346, 0.2842, 0.3783



75.6346, 0.2582, 0.2594



75.6346, 0.3977, 0.3514

Complementary

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



75.6346, 0.2842, 0.3783



47.6574, 0.3557, 0.2848

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.



75.6346, 0.3771, 0.3166



75.6346, 0.2842, 0.3783



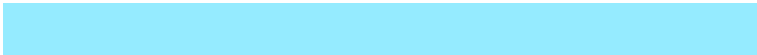
75.6346, 0.2944, 0.2657

Square

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



75.6346, 0.2842, 0.3783



75.6346, 0.2371, 0.2698



75.6346, 0.3383, 0.2862



75.6346, 0.3934, 0.3835

Rectangle

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



75.6346, 0.2842, 0.3783



75.6346, 0.2381, 0.3095



75.6346, 0.3383, 0.2862



75.6346, 0.3935, 0.3397

Sweetspot

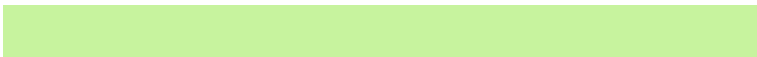
The Sweet Spot groups the original color and five complimentary colors.



75.6377, 0.2842, 0.3783



94.7127, 0.3041, 0.3414



78.7265, 0.3344, 0.4259



20.1249, 0.3029, 0.3432



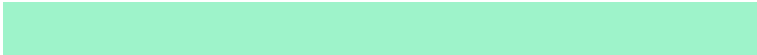
0.0000, 0.0000, 0.0000



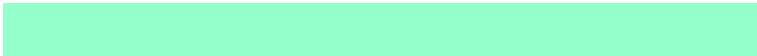
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6377, 0.2842, 0.3783



82.1325, 0.2794, 0.3905



77.0004, 0.2631, 0.3272



18.6152, 0.3045, 0.3407



36.0308, 0.2708, 0.4950



3.1875, 0.2646, 0.4726

Inverse Universe

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



47.6574, 0.3557, 0.2848



46.5601, 0.3683, 0.2757



46.4877, 0.3958, 0.3308



16.6158, 0.3218, 0.3176



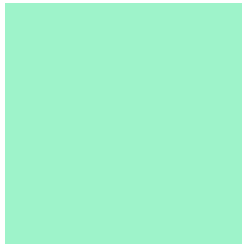
11.1938, 0.5034, 0.2547



1.0045, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 75.6346, 0.2842, 0.3783 looks on a white background.

Color Contrast Check

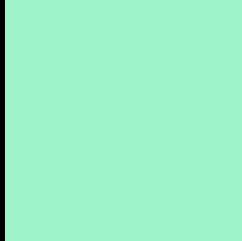
Large Text (above 18pt) WCAG AA × Fail

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 75.6346, 0.2842, 0.3783 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 75.6346, 0.2842, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 75.6346, 0.2842, 0.3783.

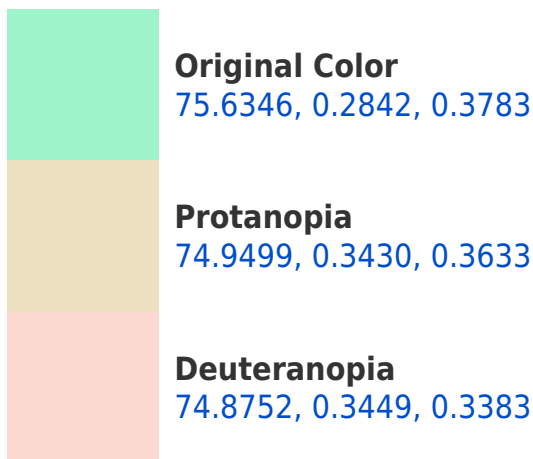


This preview shows how white text looks on a background with the Yxy color 75.6346, 0.2842, 0.3783.

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

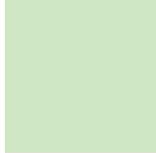
75.7570, 0.2625, 0.3077

Trichromacy



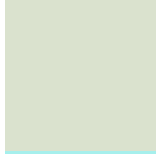
Original Color

75.6346, 0.2842, 0.3783



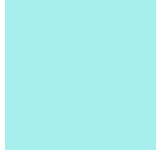
Protanomaly

74.5472, 0.3191, 0.3685



Deuteranomaly

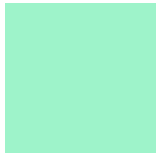
73.7544, 0.3201, 0.3511



Tritanomaly

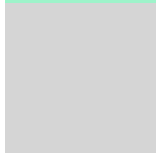
75.8961, 0.2703, 0.3323

Monochromacy



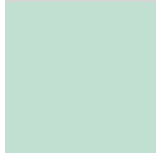
Original Color

75.6346, 0.2842, 0.3783



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.2522, 0.3009, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6346, 0.2842, 0.3783 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(158, 243, 202)` looks like.

```
.text, #text, p{  
    color:rgb(158, 243, 202)  
}
```

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(158, 243, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 243, 202) }
```

Border

The CSS property to change the border of an element to Yxy 75.6346, 0.2842, 0.3783 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(158, 243, 202) }
```

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

```
.border{ border-color:rgb(158, 243, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 243, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 243, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 243, 202);  
box-shadow:4px 4px 4px 4px rgb(158, 243,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6346, 0.2842, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 243, 202) }
```

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

```
.background{ background-color: rgb(158,  
243, 202) }
```

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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