

Converting Colors

$Yxy(77.3671, 0.2908, 0.3905)$

Have a look what the booklet for
Yxy(77.3671, 0.2908, 0.3905)
contains.

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Color

Yxy(77.4880, 0.2908, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	A2F6C2
RGB	162, 246, 194
RGB Percent	64%, 96%, 76%
CMY	0.3649, 0.0352, 0.2393
CMYK	0.34, 0.00, 0.21, 0.04
HSL	143°, 82%, 80%
HSV	143°, 34%, 96%
XYZ	57.5863, 77.4880, 62.9528
YIQ	214.9560, -33.3720, -33.9800

Conversions

Conversions Part 2

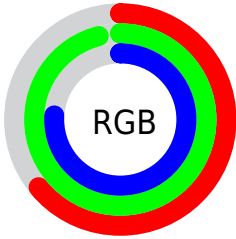
Format	Color
RYB	162, 223, 246
Decimal	10680002
CIELab	90.55, -36.16, 17.08
CIElCh	91, 39.994, 154.712
Yxy	77.4880, 0.2908, 0.3913
Android (android.graphics.Color)	4288870082 (0xFFA2F6C2)
YUV	214.9560, -10.3313, -46.4424
Hunter-Lab	88.0273, -37.2754, 19.2178

Details

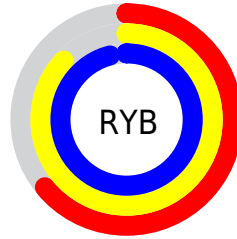
The Yxy color **77.4880, 0.2908, 0.3913** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.2762, 0.3440, 0.2742**, and the grayscale version is **68.0074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5451, 0.2933, 0.3330**, and **41.4144, 0.2851, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **74.5132, 0.2856, 0.4136**, and if you desaturate by 10%, it is **81.0432, 0.2968, 0.3707**.

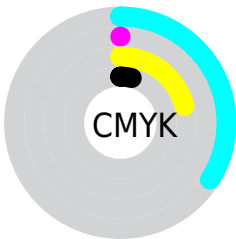
Distribution



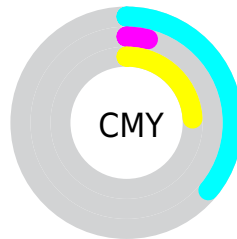
- Red (64%)
- Green (96%)
- Blue (76%)



- Red (64%)
- Yellow (87%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4880, 0.2908, 0.3913 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 77.4880, 0.2908, 0.3913 by changing the saturation by 10% instead.


 77.4880, 0.2908,
0.3913


 77.4880, 0.2908,
0.3913


486.4263, 0.3015,
0.3615

 57.6535, 0.2882,
0.3983

 129.8281, 0.2946,
0.3808

 41.5301, 0.2850,
0.4072


 163.1025, 0.2960,
0.3767

 28.7336, 0.2808,
0.4185


201.6256, 0.2973,
0.3733

 18.8794, 0.2751,
0.4337


245.7819, 0.2983,
0.3703

 11.5831, 0.2671,
0.4550

295.9557, 0.2993,
0.3677

 6.4605, 0.2548,
0.4867


352.5314, 0.3001,


 3.1271, 0.2342,


0.3654


0.5387


415.8935, 0.3008,
0.3633


 1.1984, 0.1511,
0.7978

 0.0604, 0.0000,
1.0000


 77.4880, 0.2908,
0.3913


 77.4880, 0.2908,
0.3913


 74.5132, 0.2856,
0.4136

 81.0432, 0.2968,
0.3707

 72.0777, 0.2815,
0.4372

 85.1983, 0.3032,
0.3521

 70.1497, 0.2788,
0.4616

 89.9836, 0.3099,
0.3354

 68.6903, 0.2779,
0.4858

 94.3927, 0.3132,
0.3205

■ 67.6544, 0.2788,
0.5090

■ 94.3994, 0.3131,
0.3204

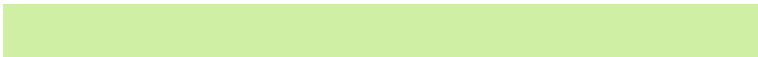
■ 66.9874, 0.2816,
0.5302

■ 66.7230, 0.2837,
0.5413

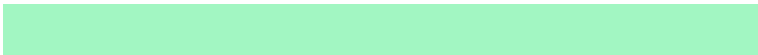
Harmonies

Analogous

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



77.4880, 0.3374, 0.4135



77.4880, 0.2908, 0.3913



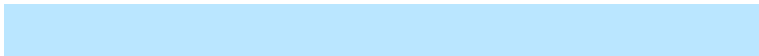
77.4880, 0.2520, 0.3482

Triad

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



77.4880, 0.2908, 0.3913



77.4880, 0.2469, 0.2542



77.4880, 0.4031, 0.3446

Complementary

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



77.4880, 0.2908, 0.3913



50.2762, 0.3440, 0.2742

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.



77.4880, 0.3752, 0.3076



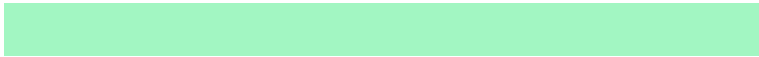
77.4880, 0.2908, 0.3913



77.4880, 0.2830, 0.2575

Square

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



77.4880, 0.2908, 0.3913



77.4880, 0.2283, 0.2692



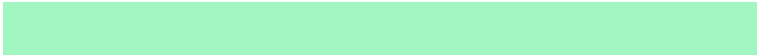
77.4880, 0.3301, 0.2766



77.4880, 0.4041, 0.3810

Rectangle

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



77.4880, 0.2908, 0.3913



77.4880, 0.2352, 0.3168



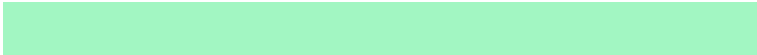
77.4880, 0.3301, 0.2766



77.4880, 0.3965, 0.3320

Sweetspot

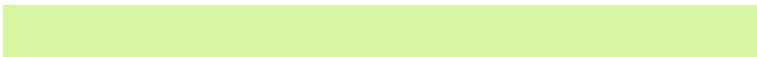
The Sweet Spot groups the original color and five complimentary colors.



77.4912, 0.2908, 0.3913



94.5052, 0.3060, 0.3449



83.0031, 0.3426, 0.4209



20.0748, 0.3051, 0.3473



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.



77.4912, 0.2908, 0.3913



81.7772, 0.2871, 0.4066



79.5836, 0.2697, 0.3417



18.5765, 0.3064, 0.3440



35.6351, 0.2829, 0.5383



3.1514, 0.2759, 0.5131

Inverse Universe

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



50.2762, 0.3440, 0.2742



48.1312, 0.3526, 0.2631



48.4456, 0.3827, 0.3170



16.6550, 0.3197, 0.3145



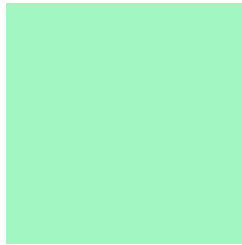
11.7007, 0.4464, 0.2233



1.0484, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 77.4880, 0.2908, 0.3913 looks on a white background.

Color Contrast Check

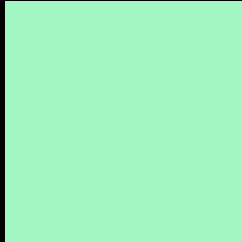
Large Text (above 18pt) WCAG AA × Fail

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 77.4880, 0.2908, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

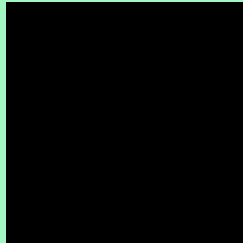
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

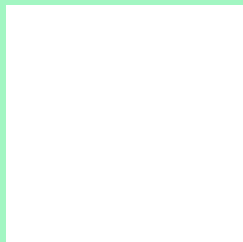
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4880, 0.2908, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 77.4880, 0.2908, 0.3913.

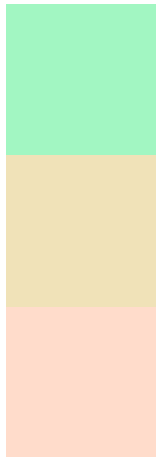


This preview shows how white text looks on a background with the Yxy color 77.4880, 0.2908, 0.3913.

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

77.4880, 0.2908, 0.3913

Protanopia

76.3787, 0.3511, 0.3735

Deuteranopia

76.7582, 0.3502, 0.3464



Tritanopia

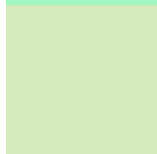
77.3721, 0.2674, 0.3091

Trichromacy



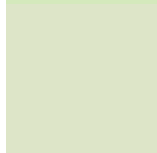
Original Color

77.4880, 0.2908, 0.3913



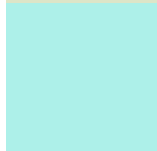
Protanomaly

75.9057, 0.3267, 0.3794



Deuteranomaly

75.5809, 0.3259, 0.3608



Tritanomaly

77.0876, 0.2758, 0.3369

Monochromacy



Original Color

77.4880, 0.2908, 0.3913



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6335, 0.3041, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4880, 0.2908, 0.3913 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(162, 246, 194)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 194)  
}
```

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(162, 246, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 194) }
```

Border

The CSS property to change the border of an element to Yxy 77.4880, 0.2908, 0.3913 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(162, 246, 194) }
```

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

```
.border{ border-color:rgb(162, 246, 194) }
```

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

Here you see how a box with a 4 pixel rgb(162, 246, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 194);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4880, 0.2908, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 194) }
```

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

```
.background{ background-color: rgb(162,  
246, 194) }
```

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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