

Converting Colors

$Yxy(77.1708, 0.2849, 0.3701)$

Have a look what the booklet for
Yxy(77.1708, 0.2849, 0.3701)
contains.

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Color

Yxy(77.4118, 0.2849, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	A6F4D1
RGB	166, 244, 209
RGB Percent	65%, 96%, 82%
CMY	0.3493, 0.0431, 0.1804
CMYK	0.32, 0.00, 0.14, 0.04
HSL	153°, 78%, 80%
HSV	153°, 32%, 96%
XYZ	59.5749, 77.4118, 72.1214
YIQ	216.6880, -35.2530, -27.4210

Conversions

Conversions Part 2

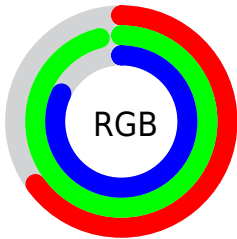
Format	Color
R _Y B	166, 216, 244
Decimal	10941649
CIE Lab	90.51, -31.20, 9.30
CIE LCh	91, 32.552, 163.401
Yxy	77.4118, 0.2849, 0.3702
Android (android.graphics.Color)	4289131729 (0xFFA6F4D1)
YUV	216.6880, -3.7902, -44.4534
Hunter-Lab	87.9840, -33.1077, 12.9882

Details

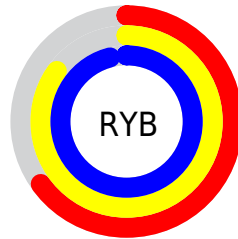
The Yxy color **77.4118, 0.2849, 0.3702** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.7010, 0.3534, 0.2915**, and the grayscale version is **69.2007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **41.2867, 0.2777, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **74.5009, 0.2777, 0.3857**, and if you desaturate by 10%, it is **80.8665, 0.2930, 0.3559**.

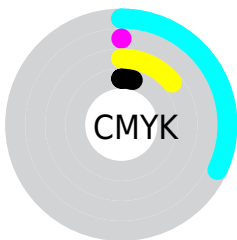
Distribution



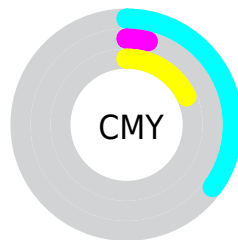
- Red (65%)
- Green (96%)
- Blue (82%)



- Red (65%)
- Yellow (85%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (35%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4118, 0.2849, 0.3702 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 77.4118, 0.2849, 0.3702 by changing the saturation by 10% instead.


 77.4118, 0.2849,
0.3702

 77.4118, 0.2849,
0.3702

486.1669, 0.2979,
0.3508

 57.5909, 0.2819,
0.3747


 129.7206, 0.2894,
0.3634

 41.4799, 0.2782,
0.3804


 162.9773, 0.2912,
0.3608

 28.6942, 0.2734,
0.3876


201.4815, 0.2927,
0.3585

 18.8496, 0.2672,
0.3972

245.6174, 0.2940,
0.3565

 11.5617, 0.2587,
0.4105

295.7695, 0.2952,
0.3548

 6.4460, 0.2462,
0.4302


352.3222, 0.2962,


 3.1181, 0.2264,


0.3533


0.4621

415.6599, 0.2971,
0.3520

 1.1937, 0.1598,
0.5539


 0.0566, 0.0000,
1.0000


 77.4118, 0.2849,
0.3702


 77.4118, 0.2849,
0.3702


 74.5009, 0.2777,
0.3857


 80.8665, 0.2930,
0.3559


 72.0951, 0.2717,
0.4023

 84.8824, 0.3018,
0.3429

 70.1657, 0.2673,
0.4196

 89.4876, 0.3109,
0.3312

 68.6769, 0.2648,
0.4374

 93.0488, 0.3145,
0.3206

■ 67.5876, 0.2643,
0.4551

■ 93.1913, 0.3132,
0.3185

■ 66.8484, 0.2658,
0.4724

■ 66.4486, 0.2683,
0.4857

Harmonies

Analogous

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



77.4118, 0.3224, 0.3940



77.4118, 0.2849, 0.3702



77.4118, 0.2561, 0.3338

Triad

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



77.4118, 0.2849, 0.3702



77.4118, 0.2660, 0.2665



77.4118, 0.3888, 0.3518

Complementary

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



77.4118, 0.2849, 0.3702



50.7010, 0.3534, 0.2915

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.



77.4118, 0.3720, 0.3204



77.4118, 0.2849, 0.3702



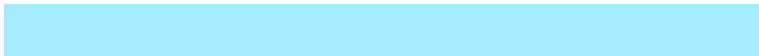
77.4118, 0.2993, 0.2731

Square

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



77.4118, 0.2849, 0.3702



77.4118, 0.2458, 0.2749



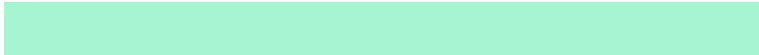
77.4118, 0.3385, 0.2924



77.4118, 0.3835, 0.3799

Rectangle

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



77.4118, 0.2849, 0.3702



77.4118, 0.2450, 0.3095



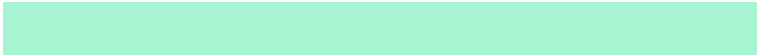
77.4118, 0.3385, 0.2924



77.4118, 0.3855, 0.3413

Sweetspot

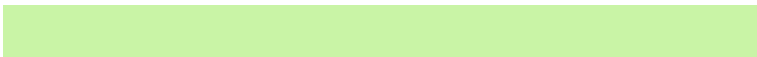
The Sweet Spot groups the original color and five complimentary colors.



77.4150, 0.2849, 0.3702



94.7655, 0.3036, 0.3405



79.8899, 0.3310, 0.4175



20.1377, 0.3023, 0.3422



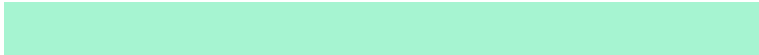
0.0000, 0.0000, 0.0000



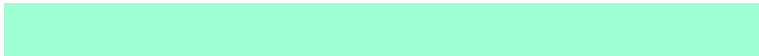
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4150, 0.2849, 0.3702



83.5295, 0.2804, 0.3795



77.0195, 0.2664, 0.3244



18.6250, 0.3041, 0.3398



36.1535, 0.2675, 0.4831



3.1982, 0.2617, 0.4620

Inverse Universe

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



50.7010, 0.3534, 0.2915



49.9913, 0.3642, 0.2841



50.6773, 0.3852, 0.3335



16.6061, 0.3223, 0.3184



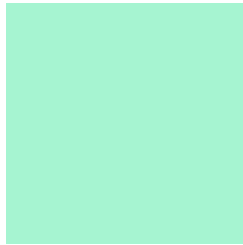
11.0900, 0.5178, 0.2626



0.9951, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 77.4118, 0.2849, 0.3702 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 77.4118, 0.2849, 0.3702 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 77.4118, 0.2849, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 77.4118, 0.2849, 0.3702.

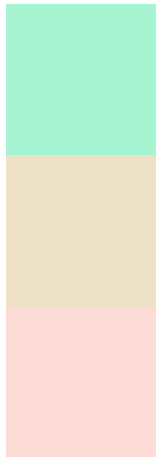


This preview shows how white text looks on a background with the Yxy color 77.4118, 0.2849, 0.3702.

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

77.4118, 0.2849, 0.3702

Protanopia

76.5674, 0.3379, 0.3566

Deuteranopia

76.4007, 0.3411, 0.3342



Tritanopia

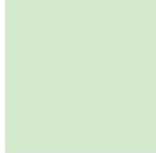
77.3721, 0.2674, 0.3091

Trichromacy



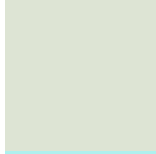
Original Color

77.4118, 0.2849, 0.3702



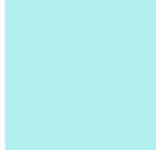
Protanomaly

76.4385, 0.3166, 0.3623



Deuteranomaly

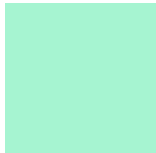
75.6124, 0.3182, 0.3464



Tritanomaly

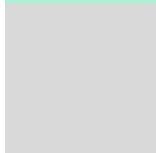
77.4919, 0.2737, 0.3311

Monochromacy



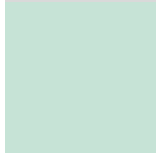
Original Color

77.4118, 0.2849, 0.3702



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.7990, 0.3011, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4118, 0.2849, 0.3702 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(166, 244, 209)` looks like.

```
.text, #text, p{  
    color:rgb(166, 244, 209)  
}
```

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(166, 244, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 244, 209) }
```

Border

The CSS property to change the border of an element to Yxy 77.4118, 0.2849, 0.3702 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(166, 244, 209) }
```

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

```
.border{ border-color:rgb(166, 244, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 244, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 244, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 244, 209);  
box-shadow:4px 4px 4px 4px rgb(166, 244,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4118, 0.2849, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 244, 209) }
```

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

```
.background{ background-color: rgb(166,  
244, 209) }
```

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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