

Converting Colors

$Yxy(76.9121, 0.2869, 0.3773)$

Have a look what the booklet for
Yxy(76.9121, 0.2869, 0.3773)
contains.

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Color

Yxy(76.9057, 0.2870, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	A4F4CB
RGB	164, 244, 203
RGB Percent	64%, 96%, 80%
CMY	0.3569, 0.0431, 0.2039
CMYK	0.33, 0.00, 0.17, 0.04
HSL	149°, 78%, 80%
HSV	149°, 33%, 96%
XYZ	58.4377, 76.9057, 68.2724
YIQ	215.4060, -34.5190, -29.7110

Conversions

Conversions Part 2

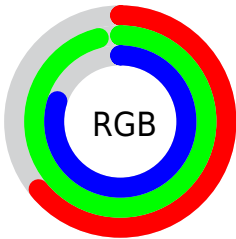
Format	Color
RYB	164, 218, 244
Decimal	10810571
CIELab	90.28, -32.93, 12.06
CIElCh	90, 35.071, 159.893
Yxy	76.9057, 0.2870, 0.3777
Android (android.graphics.Color)	4289000651 (0xFFA4F4CB)
YUV	215.4060, -6.1162, -45.0831
Hunter-Lab	87.6959, -34.5211, 15.2291

Details

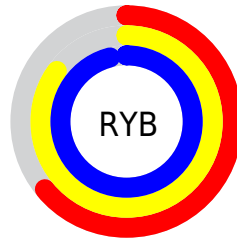
The Yxy color **76.9057, 0.2870, 0.3777** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.1843, 0.3501, 0.2852**, and the grayscale version is **68.3037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **40.9618, 0.2803, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **73.9853, 0.2805, 0.3957**, and if you desaturate by 10%, it is **80.3785, 0.2943, 0.3611**.

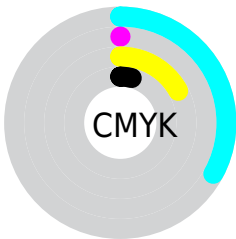
Distribution



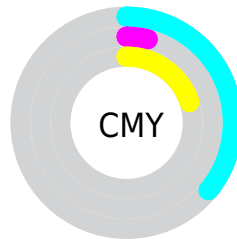
- Red (64%)
- Green (96%)
- Blue (80%)



- Red (64%)
- Yellow (85%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9057, 0.2870, 0.3777 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 76.9057, 0.2870, 0.3777 by changing the saturation by 10% instead.


 76.9057, 0.2870,
0.3777

 76.9057, 0.2870,
0.3777


484.4425, 0.2992,
0.3546

 57.1755, 0.2842,
0.3831


 129.0064, 0.2913,
0.3696

 41.1461, 0.2806,
0.3899


 162.1456, 0.2929,
0.3664

 28.4333, 0.2761,
0.3986

200.5233, 0.2943,
0.3637

 18.6525, 0.2700,
0.4103

244.5238, 0.2956,
0.3614

 11.4195, 0.2617,
0.4265

294.5316, 0.2966,
0.3594

 6.3497, 0.2493,
0.4506


350.9311, 0.2976,


 3.0589, 0.2291,

0.3576


0.4901


414.1065, 0.2984,
0.3560


 1.1626, 0.1512,
0.6331


 0.0308, 0.0000,
1.0000


 76.9057, 0.2870,
0.3777


 76.9057, 0.2870,
0.3777


 73.9853, 0.2805,
0.3957


 80.3785, 0.2943,
0.3611


 71.5780, 0.2753,
0.4149

 84.4215, 0.3022,
0.3460

 69.6544, 0.2715,
0.4350

 89.0635, 0.3104,
0.3325

 68.1780, 0.2697,
0.4553

 93.0585, 0.3144,
0.3204

■ 67.1067, 0.2698,
0.4754

■ 93.1861, 0.3132,
0.3185

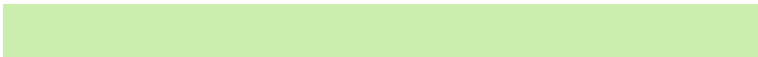
■ 66.3897, 0.2719,
0.4947

■ 66.0385, 0.2744,
0.5078

Harmonies

Analogous

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



76.9057, 0.3278, 0.4011



76.9057, 0.2870, 0.3777



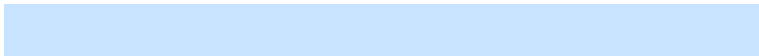
76.9057, 0.2546, 0.3389

Triad

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



76.9057, 0.2870, 0.3777



76.9057, 0.2590, 0.2620



76.9057, 0.3940, 0.3493

Complementary

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



76.9057, 0.2870, 0.3777



50.1843, 0.3501, 0.2852

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.



76.9057, 0.3733, 0.3158



76.9057, 0.2870, 0.3777



76.9057, 0.2935, 0.2674

Square

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



76.9057, 0.2870, 0.3777



76.9057, 0.2394, 0.2728



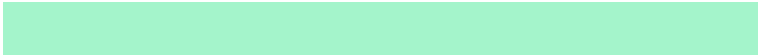
76.9057, 0.3355, 0.2866



76.9057, 0.3909, 0.3805

Rectangle

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



76.9057, 0.2870, 0.3777



76.9057, 0.2414, 0.3121



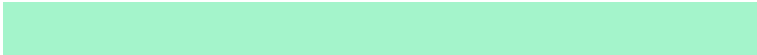
76.9057, 0.3355, 0.2866



76.9057, 0.3896, 0.3380

Sweetspot

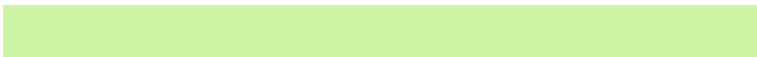
The Sweet Spot groups the original color and five complimentary colors.



76.9089, 0.2870, 0.3777



94.6675, 0.3045, 0.3421



80.4114, 0.3350, 0.4189



20.1140, 0.3033, 0.3441



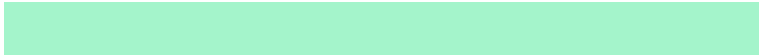
0.0000, 0.0000, 0.0000



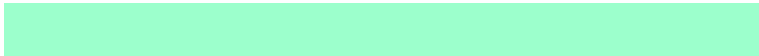
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9089, 0.2870, 0.3777



82.9056, 0.2828, 0.3889



79.0477, 0.2666, 0.3304



18.6068, 0.3049, 0.3414



35.9329, 0.2736, 0.5049



3.1789, 0.2671, 0.4817

Inverse Universe

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



50.1843, 0.3501, 0.2852



49.3663, 0.3600, 0.2766



48.5059, 0.3879, 0.3278



16.6242, 0.3213, 0.3169



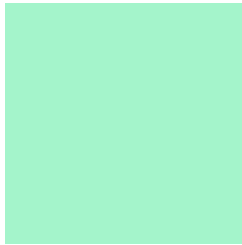
11.2905, 0.4909, 0.2478



1.0131, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 76.9057, 0.2870, 0.3777 looks on a white background.

Color Contrast Check

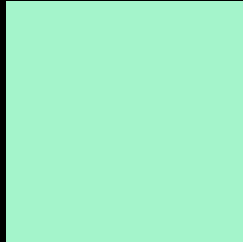
Large Text (above 18pt) WCAG AA × Fail

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 76.9057, 0.2870, 0.3777 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 76.9057, 0.2870, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 76.9057, 0.2870, 0.3777.



This preview shows how white text looks on a background with the Yxy color 76.9057, 0.2870, 0.3777.

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

76.9057, 0.2870, 0.3777

Protanopia

76.4649, 0.3427, 0.3630

Deuteranopia

75.9569, 0.3470, 0.3393



Tritanopia

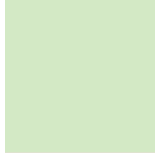
76.5580, 0.2662, 0.3079

Trichromacy



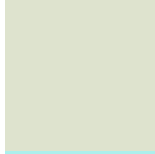
Original Color

76.9057, 0.2870, 0.3777



Protanomaly

76.1579, 0.3203, 0.3692



Deuteranomaly

74.9240, 0.3229, 0.3519



Tritanomaly

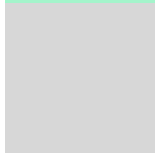
76.5598, 0.2735, 0.3323

Monochromacy



Original Color

76.9057, 0.2870, 0.3777



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.8316, 0.3017, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9057, 0.2870, 0.3777 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(164, 244, 203)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 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(164, 244, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 203) }
```

Border

The CSS property to change the border of an element to Yxy 76.9057, 0.2870, 0.3777 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(164, 244, 203) }
```

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

```
.border{ border-color:rgb(164, 244, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 244, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 203);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9057, 0.2870, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 244, 203) }
```

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

```
.background{ background-color: rgb(164,  
244, 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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