

Converting Colors

$Yxy(78.9950, 0.2745, 0.3488)$

Have a look what the booklet for
Yxy(78.9950, 0.2745, 0.3488)
contains.

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Color

Yxy(78.9056, 0.2746, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	A5F5E4
RGB	165, 245, 228
RGB Percent	65%, 96%, 89%
CMY	0.3529, 0.0392, 0.1060
CMYK	0.33, 0.00, 0.07, 0.04
HSL	167°, 80%, 80%
HSV	167°, 33%, 96%
XYZ	62.1735, 78.9056, 85.3358
YIQ	219.1420, -42.2230, -22.2470

Conversions

Conversions Part 2

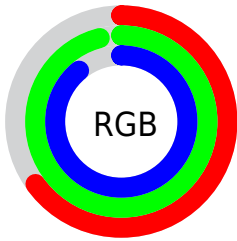
Format	Color
R _Y B	165, 210, 245
Decimal	10876388
CIE Lab	91.19, -28.00, 0.42
CIE LCh	91, 28.000, 179.148
Yxy	78.9056, 0.2746, 0.3485
Android (android.graphics.Color)	4289066468 (0xFFA5F5E4)
YUV	219.1420, 4.3670, -47.4825
Hunter-Lab	88.8288, -30.5138, 5.2217

Details

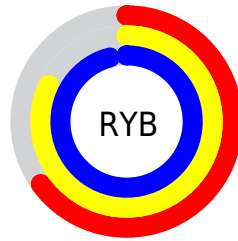
The Yxy color **78.9056, 0.2746, 0.3485** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.7107, 0.3723, 0.3107**, and the grayscale version is **70.9371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **42.2986, 0.2657, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **76.2427, 0.2651, 0.3555**, and if you desaturate by 10%, it is **82.0869, 0.2854, 0.3419**.

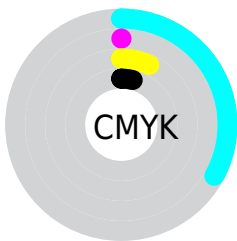
Distribution



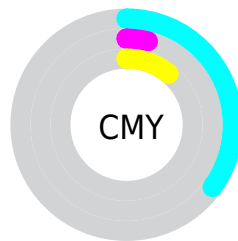
- Red (65%)
- Green (96%)
- Blue (89%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (35%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9056, 0.2746, 0.3485 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 78.9056, 0.2746, 0.3485 by changing the saturation by 10% instead.


 78.9056, 0.2746,
0.3485

 78.9056, 0.2746,
0.3485


491.2369, 0.2919,
0.3396

 58.8182, 0.2707,
0.3505


 131.8260, 0.2806,
0.3454

 42.4668, 0.2659,
0.3529


 165.4277, 0.2829,
0.3443

 29.4670, 0.2600,
0.3560


204.3030, 0.2849,
0.3432

 19.4344, 0.2522,
0.3600

248.8363, 0.2867,
0.3423

 11.9846, 0.2419,
0.3653

299.4119, 0.2882,
0.3415

 6.7332, 0.2273,
0.3729

356.4143, 0.2896,

 3.2958, 0.2054,

0.3408

420.2279, 0.2908,
0.3402

0.3843

1.2880, 0.1570,
0.4092

0.1319, 0.0000,
0.5352

78.9056, 0.2746,
0.3485

78.9056, 0.2746,
0.3485

76.2427, 0.2651,
0.3555

82.0869, 0.2854,
0.3419

74.0597, 0.2570,
0.3629


85.8035, 0.2971,
0.3359


72.3279, 0.2508,
0.3706


90.0835, 0.3094,
0.3304

71.0117, 0.2465,
0.3785


93.3963, 0.3169,
0.3253

 70.0698, 0.2442,
0.3864

 93.7260, 0.3137,
0.3203

 69.4526, 0.2438,
0.3942

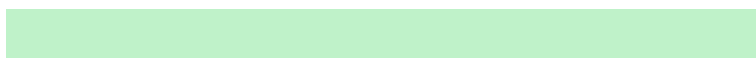
 93.7868, 0.3132,
0.3194

 69.1505, 0.2444,
0.3999

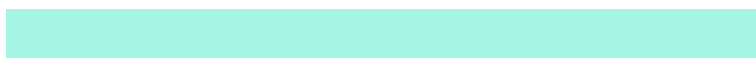
Harmonies

Analogous

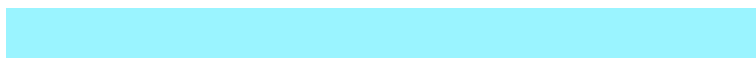
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9056, 0.3039, 0.3754



78.9056, 0.2746, 0.3485



78.9056, 0.2559, 0.3169

Triad

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



78.9056, 0.2746, 0.3485



78.9056, 0.2867, 0.2764



78.9056, 0.3777, 0.3625

Complementary

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



78.9056, 0.2746, 0.3485



49.7107, 0.3723, 0.3107

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.



78.9056, 0.3730, 0.3362



78.9056, 0.2746, 0.3485



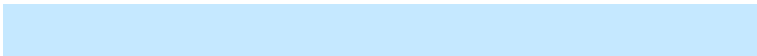
78.9056, 0.3190, 0.2882

Square

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



78.9056, 0.2746, 0.3485



78.9056, 0.2626, 0.2770



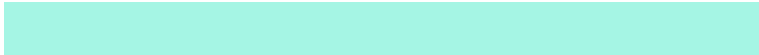
78.9056, 0.3510, 0.3096



78.9056, 0.3640, 0.3819

Rectangle

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



78.9056, 0.2746, 0.3485



78.9056, 0.2513, 0.2985



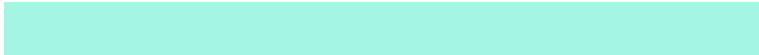
78.9056, 0.3510, 0.3096



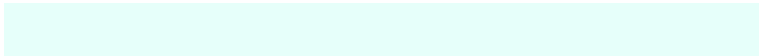
78.9056, 0.3782, 0.3541

Sweetspot

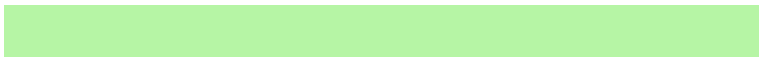
The Sweet Spot groups the original color and five complimentary colors.



78.9088, 0.2746, 0.3485



95.1357, 0.3002, 0.3344



78.0121, 0.3190, 0.4231



20.2275, 0.2985, 0.3352



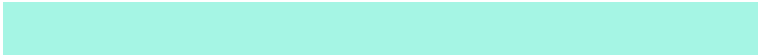
0.0000, 0.0000, 0.0000



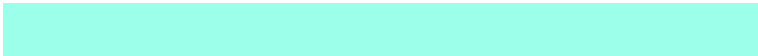
21.4041, 0.3127, 0.3290

Same Dimension

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



78.9088, 0.2746, 0.3485



84.4740, 0.2683, 0.3530



67.0189, 0.2628, 0.3026



18.6939, 0.3009, 0.3341



37.2728, 0.2441, 0.3987



3.2906, 0.2414, 0.3888

Inverse Universe

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



49.7107, 0.3723, 0.3107



48.0493, 0.3895, 0.3070



57.9619, 0.3807, 0.3538



16.5402, 0.3260, 0.3240



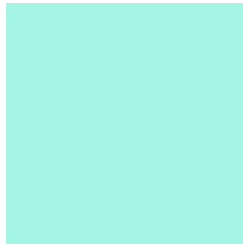
10.6085, 0.6041, 0.3102



0.9469, 0.5703, 0.2915

Previews

White Background



This preview shows how the Yxy color 78.9056, 0.2746, 0.3485 looks on a white background.

Color Contrast Check

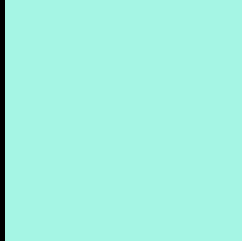
Large Text (above 18pt) WCAG AA × Fail

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 78.9056, 0.2746, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

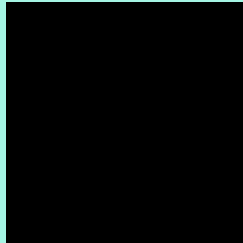
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9056, 0.2746, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 78.9056, 0.2746, 0.3485.

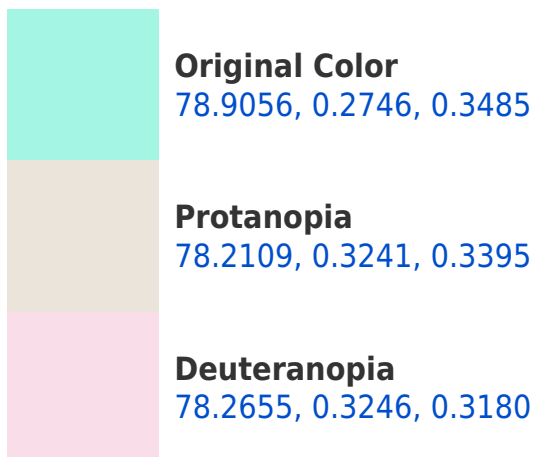


This preview shows how white text looks on a background with the Yxy color 78.9056, 0.2746, 0.3485.

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

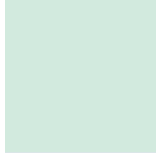
79.0203, 0.2698, 0.3114

Trichromacy



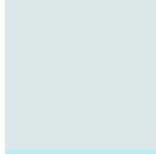
Original Color

78.9056, 0.2746, 0.3485



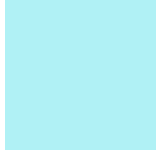
Protanomaly

77.8212, 0.3041, 0.3421



Deuteranomaly

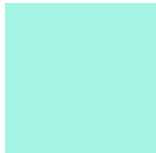
77.2686, 0.3040, 0.3279



Tritanomaly

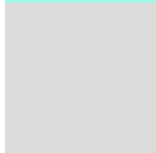
78.7333, 0.2713, 0.3244

Monochromacy



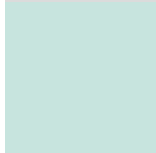
Original Color

78.9056, 0.2746, 0.3485



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.9028, 0.2969, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9056, 0.2746, 0.3485 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(165, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(165, 245, 228)  
}
```

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(165, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 245, 228) }
```

Border

The CSS property to change the border of an element to Yxy 78.9056, 0.2746, 0.3485 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(165, 245, 228) }
```

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

```
.border{ border-color:rgb(165, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(165, 245,  
228) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.9056, 0.2746, 0.3485$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 245, 228) }
```

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

```
.background{ background-color: rgb(165,  
245, 228) }
```

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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