

Converting Colors

$Yxy(78.8803, 0.2838, 0.3614)$

Have a look what the booklet for
Yxy(78.8803, 0.2838, 0.3614)
contains.

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Color

Yxy(78.9725, 0.2835, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	ABF5D9
RGB	171, 245, 217
RGB Percent	67%, 96%, 85%
CMY	0.3296, 0.0392, 0.1489
CMYK	0.30, 0.00, 0.11, 0.04
HSL	157°, 79%, 82%
HSV	157°, 30%, 96%
XYZ	61.9671, 78.9725, 77.6392
YIQ	219.6820, -35.1160, -24.3960

Conversions

Conversions Part 2

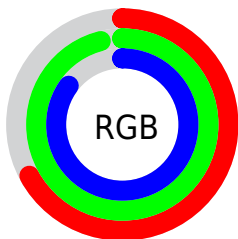
Format	Color
RYB	171, 217, 245
Decimal	11269593
CIELab	91.22, -28.61, 6.19
CIELCh	91, 29.270, 167.796
Yxy	78.9725, 0.2835, 0.3613
Android (android.graphics.Color)	4289459673 (0xFFABF5D9)
YUV	219.6820, -1.3222, -42.6941
Hunter-Lab	88.8665, -31.0473, 10.4072

Details

The Yxy color **78.9725, 0.2835, 0.3613** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.6462, 0.3552, 0.2991**, and the grayscale version is **71.3619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **42.2881, 0.2765, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **76.0069, 0.2753, 0.3740**, and if you desaturate by 10%, it is **82.4815, 0.2926, 0.3495**.

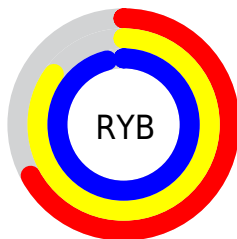
Distribution



Red (67%)

Green (96%)

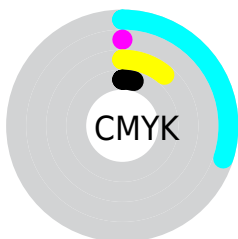
Blue (85%)



Red (67%)

Yellow (85%)

Blue (96%)

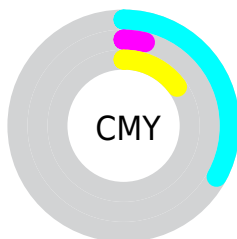


Cyan (30%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (33%)


Magenta (4%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9725, 0.2835, 0.3613 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 78.9725, 0.2835, 0.3613 by changing the saturation by 10% instead.


 78.9725, 0.2835,
0.3613

 78.9725, 0.2835,
0.3613


491.4633, 0.2970,
0.3462

 58.8732, 0.2804,
0.3648

 131.9201, 0.2882,
0.3560

 42.5111, 0.2767,
0.3691


165.5373, 0.2900,
0.3540

 29.5017, 0.2719,
0.3746


204.4291, 0.2915,
0.3523

 19.4607, 0.2656,
0.3818

248.9801, 0.2929,
0.3507

 12.0036, 0.2572,
0.3917

299.5747, 0.2941,
0.3494

 6.7461, 0.2450,
0.4061


356.5971, 0.2952,


 3.3038, 0.2263,

0.3482

0.4291


420.4319, 0.2961,
0.3472


 1.2923, 0.1790,
0.4796

 0.1353, 0.0000,
1.0000

 78.9725, 0.2835,
0.3613


 78.9725, 0.2835,
0.3613

 76.0069, 0.2753,
0.3740


 82.4815, 0.2926,
0.3495


 73.5464, 0.2684,
0.3877

 86.5506, 0.3024,
0.3388

 71.5626, 0.2631,
0.4020

 91.2079, 0.3125,
0.3292

 70.0207, 0.2597,
0.4167

 93.7310, 0.3137,
0.3203

■ 68.8806, 0.2582,
0.4315

■ 93.7912, 0.3132,
0.3195

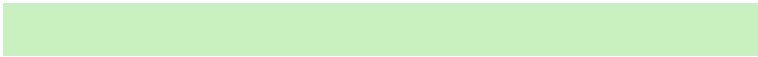
■ 68.0946, 0.2589,
0.4462

■ 67.5919, 0.2612,
0.4602

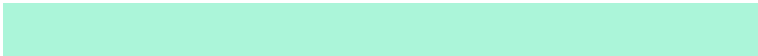
Harmonies

Analogous

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



78.9725, 0.3165, 0.3846



78.9725, 0.2835, 0.3613



78.9725, 0.2592, 0.3286

Triad

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



78.9725, 0.2835, 0.3613



78.9725, 0.2746, 0.2728



78.9725, 0.3811, 0.3539

Complementary

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



78.9725, 0.2835, 0.3613



52.6462, 0.3552, 0.2991

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.



78.9725, 0.3689, 0.3256



78.9725, 0.2835, 0.3613



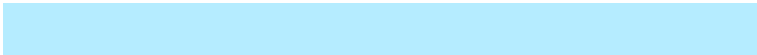
78.9725, 0.3059, 0.2805

Square

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



78.9725, 0.2835, 0.3613



78.9725, 0.2543, 0.2786



78.9725, 0.3408, 0.2994



78.9725, 0.3737, 0.3778

Rectangle

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



78.9725, 0.2835, 0.3613



78.9725, 0.2505, 0.3075



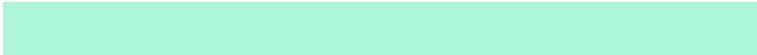
78.9725, 0.3408, 0.2994



78.9725, 0.3792, 0.3446

Sweetspot

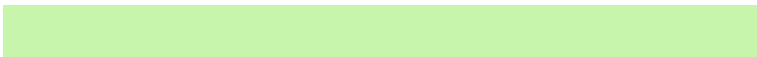
The Sweet Spot groups the original color and five complimentary colors.



78.9757, 0.2835, 0.3613



95.3581, 0.3036, 0.3376



80.4395, 0.3268, 0.4130



20.2606, 0.3021, 0.3391



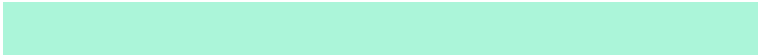
0.0000, 0.0000, 0.0000



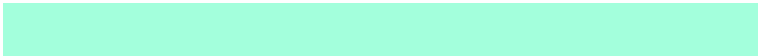
21.4041, 0.3127, 0.3290

Same Dimension

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



78.9757, 0.2835, 0.3613



84.5113, 0.2786, 0.3686



75.4516, 0.2680, 0.3191



18.6454, 0.3031, 0.3381



36.4374, 0.2605, 0.4579



3.2224, 0.2555, 0.4399

Inverse Universe

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



52.6462, 0.3552, 0.2991



51.5977, 0.3666, 0.2931



54.8342, 0.3782, 0.3386



16.5861, 0.3234, 0.3201



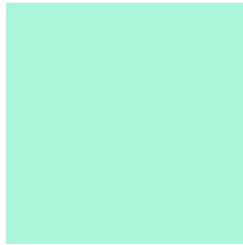
10.9045, 0.5469, 0.2786



0.9777, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 78.9725, 0.2835, 0.3613 looks on a white background.

Color Contrast Check

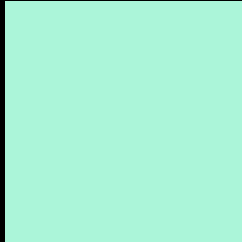
Large Text (above 18pt) WCAG AA × Fail

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 78.9725, 0.2835, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

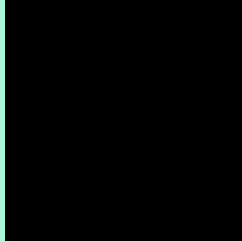
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

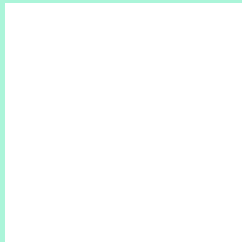
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9725, 0.2835, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 78.9725, 0.2835, 0.3613.

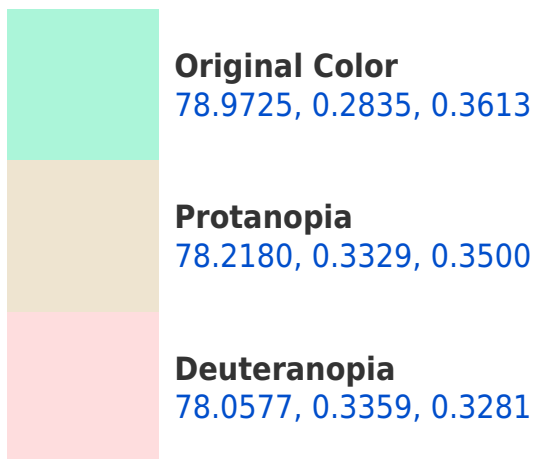


This preview shows how white text looks on a background with the Yxy color 78.9725, 0.2835, 0.3613.

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

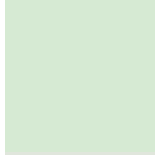
78.8082, 0.2713, 0.3104

Trichromacy



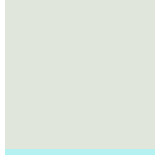
Original Color

78.9725, 0.2835, 0.3613



Protanomaly

77.8449, 0.3136, 0.3542



Deuteranomaly

77.6082, 0.3150, 0.3397



Tritanomaly

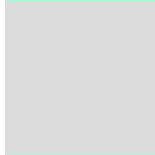
79.0852, 0.2761, 0.3289

Monochromacy



Original Color

78.9725, 0.2835, 0.3613



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.7097, 0.3007, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9725, 0.2835, 0.3613 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(171, 245, 217)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 217)  
}
```

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(171, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.9725, 0.2835, 0.3613 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(171, 245, 217) }
```

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

```
.border{ border-color:rgb(171, 245, 217) }
```

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

Here you see how a box with a 4 pixel rgb(171, 245, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9725, 0.2835, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 217) }
```

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

```
.background{ background-color: rgb(171,  
245, 217) }
```

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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