

Converting Colors

$Yxy(81.4207, 0.2806, 0.3529)$

Have a look what the booklet for
Yxy(81.4207, 0.2806, 0.3529)
contains.

Yxy(81.6245, 0.2807, 0.3539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.6245, 0.2807, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	AEF8E2
RGB	174, 248, 226
RGB Percent	68%, 97%, 89%
CMY	0.3178, 0.0274, 0.1138
CMYK	0.30, 0.00, 0.09, 0.03
HSL	162°, 84%, 83%
HSV	162°, 30%, 97%
XYZ	64.7414, 81.6245, 84.2769
YIQ	223.3660, -37.0420, -22.5300

Conversions

Conversions Part 2

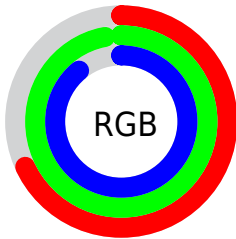
Format	Color
RYB	174, 217, 248
Decimal	11466978
CIELab	92.41, -27.35, 3.28
CIELCh	92, 27.545, 173.159
Yxy	81.6245, 0.2807, 0.3539
Android (android.graphics.Color)	4289657058 (0xFFAEF8E2)
YUV	223.3660, 1.2986, -43.2940
Hunter-Lab	90.3463, -30.1943, 7.9354

Details

The Yxy color **81.6245, 0.2807, 0.3539** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2029, 0.3598, 0.3056**, and the grayscale version is **74.0717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **44.1238, 0.2731, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **78.6417, 0.2716, 0.3638**, and if you desaturate by 10%, it is **85.1573, 0.2908, 0.3448**.

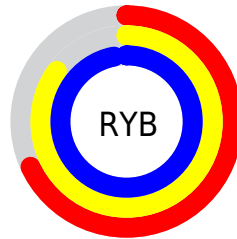
Distribution



Red (68%)

Green (97%)

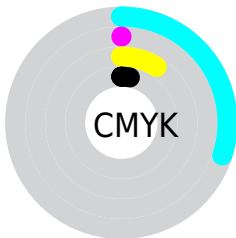
Blue (89%)



Red (68%)

Yellow (85%)

Blue (97%)

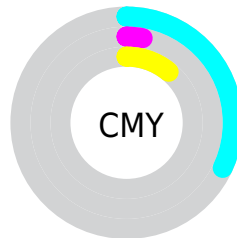


Cyan (30%)

Magenta (0%)

Yellow (9%)

Black (3%)



Cyan (32%)


Magenta (3%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6245, 0.2807, 0.3539 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 81.6245, 0.2807, 0.3539 by changing the saturation by 10% instead.


 81.6245, 0.2807,
0.3539

 81.6245, 0.2807,
0.3539


500.3908, 0.2953,
0.3425

 61.0561, 0.2774,
0.3565


 135.6473, 0.2857,
0.3499

 44.2704, 0.2734,
0.3597


169.8705, 0.2877,
0.3484

 30.8832, 0.2684,
0.3637

209.4140, 0.2894,
0.3471

 20.5099, 0.2619,
0.3690

254.6622, 0.2908,
0.3459

 12.7662, 0.2532,
0.3761

305.9997, 0.2921,
0.3449

 7.2678, 0.2409,
0.3863


363.8106, 0.2933,


 3.6301, 0.2223,

0.3440

0.4020

428.4795, 0.2943,
0.3432


 1.4689, 0.1873,
0.4313


 0.2667, 0.0000,
0.8139


 81.6245, 0.2807,
0.3539


 81.6245, 0.2807,
0.3539


 78.6417, 0.2716,
0.3638


 85.1573, 0.2908,
0.3448


 76.1696, 0.2639,
0.3742

 89.2570, 0.3016,
0.3364

 74.1796, 0.2579,
0.3852

 93.9521, 0.3129,
0.3289

 72.6359, 0.2537,
0.3965

 95.6235, 0.3130,
0.3223

■ 71.4979, 0.2515,
0.4080

■ 70.7169, 0.2514,
0.4194

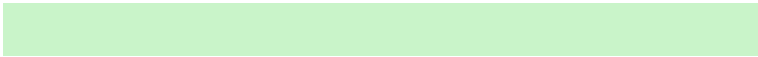
■ 70.2140, 0.2530,
0.4306

■ 70.2076, 0.2530,
0.4308

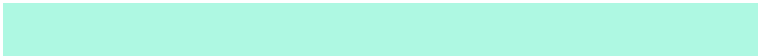
Harmonies

Analogous

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



81.6245, 0.3106, 0.3778



81.6245, 0.2807, 0.3539



81.6245, 0.2600, 0.3233

Triad

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



81.6245, 0.2807, 0.3539



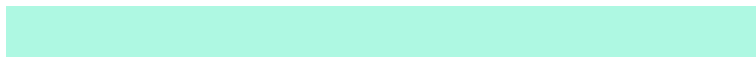
81.6245, 0.2819, 0.2768



81.6245, 0.3765, 0.3569

Complementary

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



81.6245, 0.2807, 0.3539



54.2029, 0.3598, 0.3056

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.



81.6245, 0.3683, 0.3307



81.6245, 0.2807, 0.3539



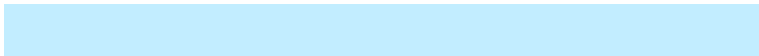
81.6245, 0.3123, 0.2861

Square

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



81.6245, 0.2807, 0.3539



81.6245, 0.2606, 0.2801



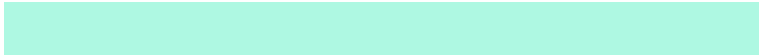
81.6245, 0.3443, 0.3054



81.6245, 0.3665, 0.3776

Rectangle

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



81.6245, 0.2807, 0.3539



81.6245, 0.2536, 0.3044



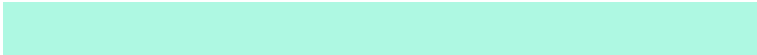
81.6245, 0.3443, 0.3054



81.6245, 0.3758, 0.3484

Sweetspot

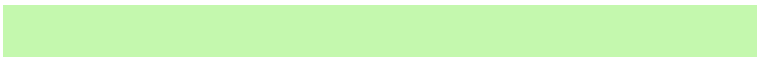
The Sweet Spot groups the original color and five complimentary colors.



81.6278, 0.2807, 0.3539



95.4721, 0.3025, 0.3358



81.9579, 0.3226, 0.4130



20.2888, 0.3009, 0.3369



0.0000, 0.0000, 0.0000



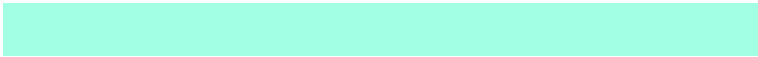
21.4041, 0.3127, 0.3290

Same Dimension

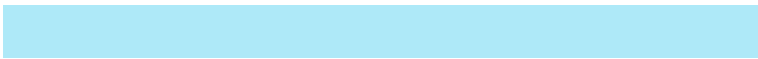
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6278, 0.2807, 0.3539



84.9114, 0.2750, 0.3599



74.1663, 0.2677, 0.3122



19.5154, 0.3020, 0.3362



37.9471, 0.2525, 0.4290



3.5332, 0.2488, 0.4155

Inverse Universe

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



54.2029, 0.3598, 0.3056



51.2659, 0.3737, 0.3006



59.3118, 0.3753, 0.3451



17.3102, 0.3247, 0.3220



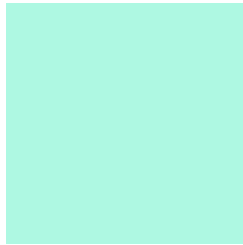
11.0675, 0.5775, 0.2955



1.0428, 0.5438, 0.2770

Previews

White Background



This preview shows how the Yxy color 81.6245, 0.2807, 0.3539 looks on a white background.

Color Contrast Check

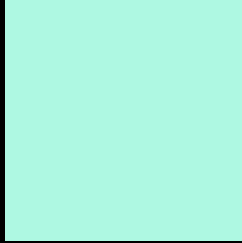
Large Text (above 18pt) WCAG AA × Fail

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 81.6245, 0.2807, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

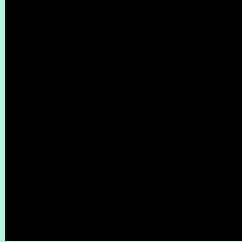
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

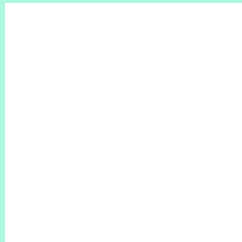
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6245, 0.2807, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 81.6245, 0.2807, 0.3539.

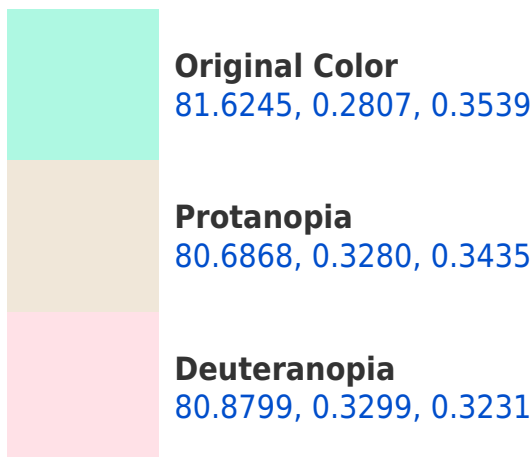


This preview shows how white text looks on a background with the Yxy color 81.6245, 0.2807, 0.3539.

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

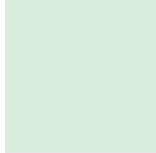
81.2759, 0.2771, 0.3129

Trichromacy



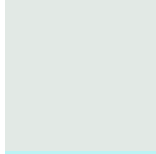
Original Color

81.6245, 0.2807, 0.3539



Protanomaly

80.3346, 0.3092, 0.3473



Deuteranomaly

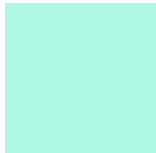
80.1037, 0.3105, 0.3332



Tritanomaly

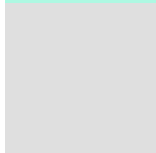
81.3242, 0.2786, 0.3278

Monochromacy



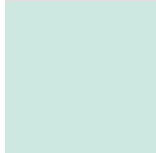
Original Color

81.6245, 0.2807, 0.3539



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.0742, 0.2997, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6245, 0.2807, 0.3539 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(174, 248, 226)` looks like.

```
.text, #text, p{  
    color:rgb(174, 248, 226)  
}
```

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(174, 248, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 248, 226) }
```

Border

The CSS property to change the border of an element to Yxy 81.6245, 0.2807, 0.3539 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(174, 248, 226) }
```

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

```
.border{ border-color:rgb(174, 248, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 248, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 248, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 248, 226); box-shadow:4px 4px 4px 4px rgb(174, 248, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6245, 0.2807, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 248, 226) }
```

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

```
.background{ background-color: rgb(174,  
248, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor