

Converting Colors

$Yxy(82.9670, 0.2819, 0.3571)$

Have a look what the booklet for
Yxy(82.9670, 0.2819, 0.3571)
contains.

| | |
|---|----|
| Yxy(82.9214, 0.2819, 0.3572) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(82.9214, 0.2819, 0.3572)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AFFAE1 |
| RGB | 175, 250, 225 |
| RGB Percent | 69%, 98%, 88% |
| CMY | 0.3140, 0.0195, 0.1177 |
| CMYK | 0.30, 0.00, 0.10, 0.02 |
| HSL | 160°, 88%, 83% |
| HSV | 160°, 30%, 98% |
| XYZ | 65.4410, 82.9214, 83.7803 |
| YIQ | 224.7250, -36.6750, -23.6750 |

Conversions

Conversions Part 2

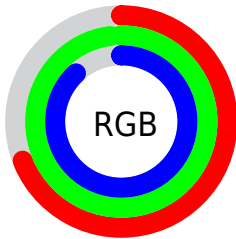
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 175, 220, 250 |
| Decimal | 11533025 |
| CIELab | 92.98, -28.23, 4.63 |
| CIElCh | 93, 28.608, 170.692 |
| Yxy | 82.9214, 0.2819, 0.3572 |
| Android (android.graphics.Color) | 4289723105 (0xFFAFFAE1) |
| YUV | 224.7250, 0.1356, -43.6088 |
| Hunter-Lab | 91.0612, -31.0782, 9.1934 |

Details

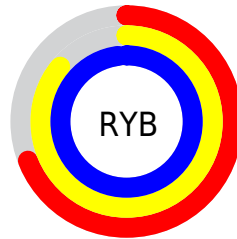
The Yxy color **82.9214, 0.2819, 0.3572** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1270, 0.3578, 0.3027**, and the grayscale version is **75.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **45.0353, 0.2747, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **79.8524, 0.2732, 0.3683**, and if you desaturate by 10%, it is **86.5549, 0.2916, 0.3469**.

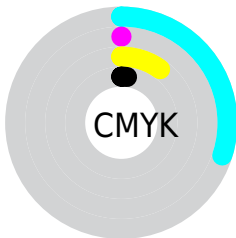
Distribution



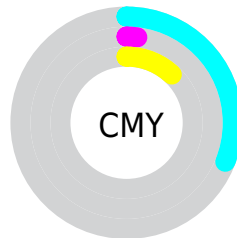
- Red (69%)
- Green (98%)
- Blue (88%)



- Red (69%)
- Yellow (86%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (31%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9214, 0.2819, 0.3572 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 82.9214, 0.2819, 0.3572 by changing the saturation by 10% instead.


 82.9214, 0.2819,
0.3572

 82.9214, 0.2819,
0.3572


504.7245, 0.2959,
0.3442

 62.1253, 0.2788,
0.3601

 137.4654, 0.2867,
0.3527

 45.1340, 0.2749,
0.3638


171.9820, 0.2886,
0.3510

 31.5630, 0.2700,
0.3684


211.8410, 0.2902,
0.3495

 21.0279, 0.2638,
0.3744

257.4267, 0.2917,
0.3481

 13.1444, 0.2554,
0.3825

309.1235, 0.2929,
0.3470

 7.5281, 0.2435,
0.3941


367.3158, 0.2940,


 3.7945, 0.2256,


0.3460


0.4121

432.3880, 0.2950,
0.3450


 1.5593, 0.1931,
0.4450

 0.3299, 0.0000,
0.9023

 82.9214, 0.2819,
0.3572


 82.9214, 0.2819,
0.3572


 79.8524, 0.2732,
0.3683

 86.5549, 0.2916,
0.3469


 77.3077, 0.2659,
0.3802

 90.7703, 0.3019,
0.3375

 75.2580, 0.2602,
0.3927

 95.5968, 0.3127,
0.3290

 73.6667, 0.2563,
0.4055

 96.8639, 0.3129,
0.3243

■ 72.4919, 0.2545,
0.4185

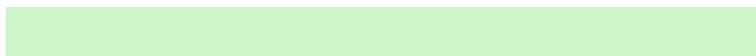
■ 71.6838, 0.2547,
0.4314

■ 71.1619, 0.2567,
0.4440

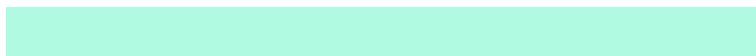
Harmonies

Analogous

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



82.9214, 0.3132, 0.3809



82.9214, 0.2819, 0.3572



82.9214, 0.2595, 0.3256

Triad

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



82.9214, 0.2819, 0.3572



82.9214, 0.2786, 0.2750



82.9214, 0.3786, 0.3556

Complementary

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



82.9214, 0.2819, 0.3572



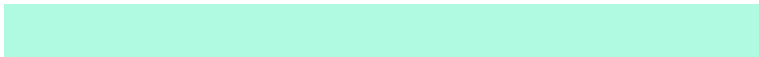
55.1270, 0.3578, 0.3027

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.



82.9214, 0.3686, 0.3284



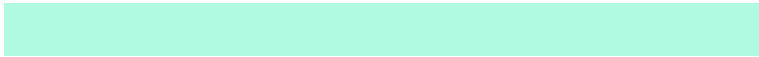
82.9214, 0.2819, 0.3572



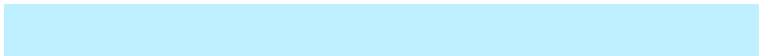
82.9214, 0.3094, 0.2836

Square

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



82.9214, 0.2819, 0.3572



82.9214, 0.2577, 0.2794



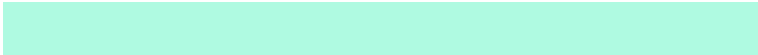
82.9214, 0.3428, 0.3027



82.9214, 0.3698, 0.3778

Rectangle

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



82.9214, 0.2819, 0.3572



82.9214, 0.2521, 0.3057



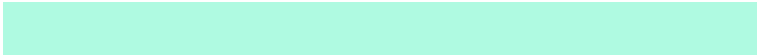
82.9214, 0.3428, 0.3027



82.9214, 0.3774, 0.3467

Sweetspot

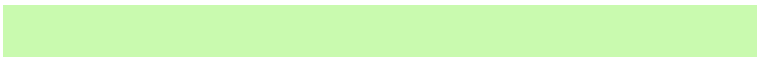
The Sweet Spot groups the original color and five complimentary colors.



82.9248, 0.2819, 0.3572



95.4212, 0.3030, 0.3366



83.9226, 0.3251, 0.4130



20.2762, 0.3015, 0.3379



0.0000, 0.0000, 0.0000



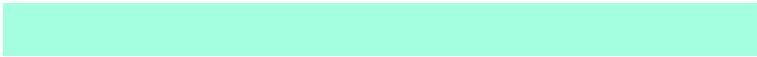
21.4041, 0.3127, 0.3290

Same Dimension

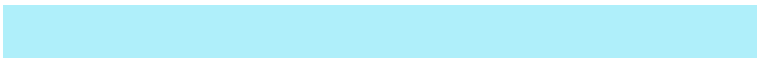
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9248, 0.2819, 0.3572



84.7311, 0.2766, 0.3638



77.5991, 0.2679, 0.3164



19.5044, 0.3025, 0.3370



37.7674, 0.2561, 0.4419



3.5176, 0.2519, 0.4267

Inverse Universe

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



55.1270, 0.3578, 0.3027



51.4116, 0.3705, 0.2972



58.6179, 0.3770, 0.3412



17.3207, 0.3241, 0.3211



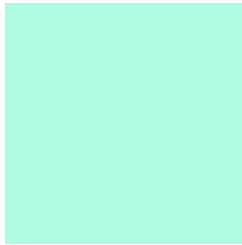
11.1383, 0.5644, 0.2883



1.0504, 0.5311, 0.2699

Previews

White Background



This preview shows how the Yxy color 82.9214, 0.2819, 0.3572 looks on a white background.

Color Contrast Check

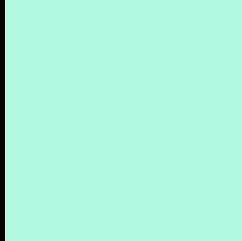
Large Text (above 18pt) WCAG AA × Fail

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 82.9214, 0.2819, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

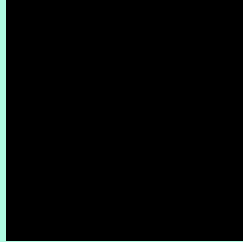
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

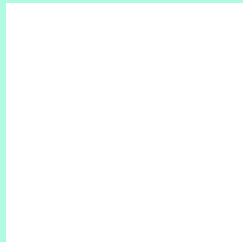
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9214, 0.2819, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 82.9214, 0.2819, 0.3572.

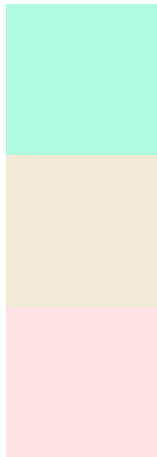


This preview shows how white text looks on a background with the Yxy color 82.9214, 0.2819, 0.3572.

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

82.9214, 0.2819, 0.3572

Protanopia

82.1129, 0.3298, 0.3465

Deuteranopia

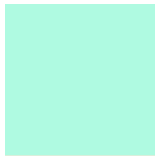
81.9113, 0.3304, 0.3261



Tritanopia

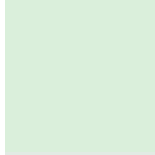
82.5481, 0.2800, 0.3141

Trichromacy



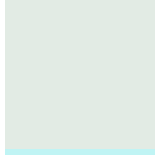
Original Color

82.9214, 0.2819, 0.3572



Protanomaly

81.7529, 0.3111, 0.3504



Deuteranomaly

81.1868, 0.3110, 0.3364



Tritanomaly

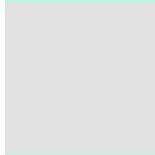
82.4395, 0.2809, 0.3289

Monochromacy



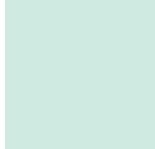
Original Color

82.9214, 0.2819, 0.3572



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.5473, 0.3004, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9214, 0.2819, 0.3572 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(175, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 225)  
}
```

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(175, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 225) }
```

Border

The CSS property to change the border of an element to Yxy 82.9214, 0.2819, 0.3572 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(175, 250, 225) }
```

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

```
.border{ border-color:rgb(175, 250, 225) }
```

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

Here you see how a box with a 4 pixel rgb(175, 250, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(175, 250,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9214, 0.2819, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 225) }
```

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

```
.background{ background-color: rgb(175,  
250, 225) }
```

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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