

Converting Colors

$Yxy(84.0089, 0.2814, 0.3577)$

Have a look what the booklet for
Yxy(84.0089, 0.2814, 0.3577)
contains.

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Color

Yxy(84.2258, 0.2816, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	AFFCE2
RGB	175, 252, 226
RGB Percent	69%, 99%, 89%
CMY	0.3137, 0.0117, 0.1138
CMYK	0.31, 0.00, 0.10, 0.01
HSL	160°, 93%, 84%
HSV	160°, 31%, 99%
XYZ	66.2144, 84.2258, 84.6961
YIQ	226.0130, -37.5460, -24.4100

Conversions

Conversions Part 2

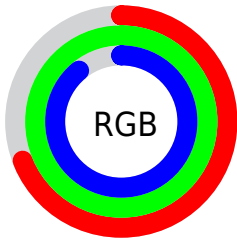
Format	Color
RYB	175, 221, 252
Decimal	11533538
CIELab	93.55, -28.95, 4.94
CIELCh	94, 29.368, 170.313
Yxy	84.2258, 0.2816, 0.3582
Android (android.graphics.Color)	4289723618 (0xFFAFFCE2)
YUV	226.0130, -0.0064, -44.7384
Hunter-Lab	91.7746, -31.8198, 9.5252

Details

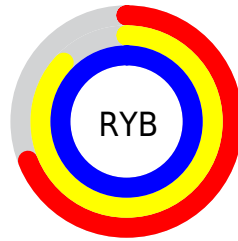
The Yxy color **84.2258, 0.2816, 0.3582** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.5785, 0.3586, 0.3018**, and the grayscale version is **76.0851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **45.9636, 0.2744, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **81.1239, 0.2730, 0.3696**, and if you desaturate by 10%, it is **87.9019, 0.2912, 0.3477**.

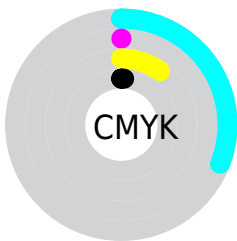
Distribution



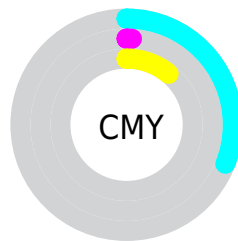
- Red (69%)
- Green (99%)
- Blue (89%)



- Red (69%)
- Yellow (87%)
- Blue (99%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)




- Cyan (31%)
- Magenta (1%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2258, 0.2816, 0.3582 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 84.2258, 0.2816, 0.3582 by changing the saturation by 10% instead.

 84.2258, 0.2816,
0.3582

 84.2258, 0.2816,
0.3582


509.0628, 0.2957,
0.3448

 63.2019, 0.2784,
0.3612


 139.2910, 0.2865,
0.3536

 46.0045, 0.2746,
0.3650


174.1011, 0.2884,
0.3518

 32.2494, 0.2697,
0.3697


214.2753, 0.2900,
0.3502

 21.5521, 0.2634,
0.3759

260.1981, 0.2914,
0.3488

 13.5281, 0.2550,
0.3842

312.2538, 0.2927,
0.3476

 7.7932, 0.2432,
0.3961


370.8269, 0.2938,


 3.9629, 0.2254,


0.3466

0.4145


436.3018, 0.2948,
0.3456


 1.6528, 0.1945,
0.4471


 0.3928, 0.0000,
0.8269


 84.2258, 0.2816,
0.3582


 84.2258, 0.2816,
0.3582


 81.1239, 0.2730,
0.3696


 87.9019, 0.2912,
0.3477


 78.5553, 0.2658,
0.3817


 92.1702, 0.3014,
0.3381


 76.4898, 0.2602,
0.3944


 97.0606, 0.3121,
0.3295

 74.8898, 0.2565,
0.4074

 98.1051, 0.3128,
0.3262

 73.7122, 0.2549,
0.4206

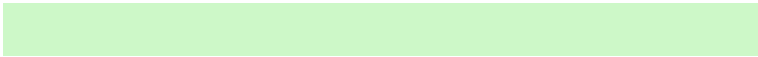
 72.9058, 0.2552,
0.4337

 72.4075, 0.2572,
0.4458

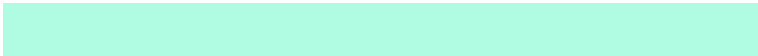
Harmonies

Analogous

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



84.2258, 0.3136, 0.3823



84.2258, 0.2816, 0.3582



84.2258, 0.2586, 0.3259

Triad

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



84.2258, 0.2816, 0.3582



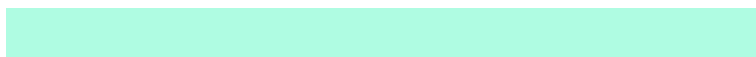
84.2258, 0.2775, 0.2739



84.2258, 0.3800, 0.3557

Complementary

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



84.2258, 0.2816, 0.3582



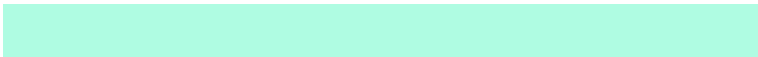
55.5785, 0.3586, 0.3018

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.



84.2258, 0.3696, 0.3280



84.2258, 0.2816, 0.3582



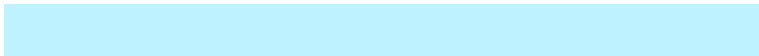
84.2258, 0.3089, 0.2825

Square

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



84.2258, 0.2816, 0.3582



84.2258, 0.2565, 0.2785



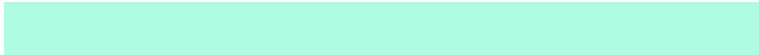
84.2258, 0.3430, 0.3019



84.2258, 0.3712, 0.3786

Rectangle

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



84.2258, 0.2816, 0.3582



84.2258, 0.2510, 0.3055



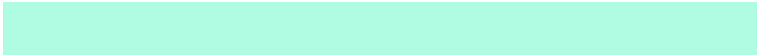
84.2258, 0.3430, 0.3019



84.2258, 0.3787, 0.3467

Sweetspot

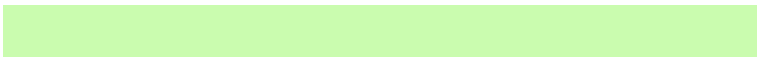
The Sweet Spot groups the original color and five complimentary colors.



84.2292, 0.2816, 0.3582



95.4144, 0.3031, 0.3367



85.2711, 0.3253, 0.4146



20.2745, 0.3015, 0.3380



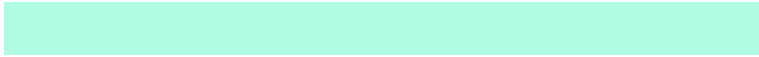
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

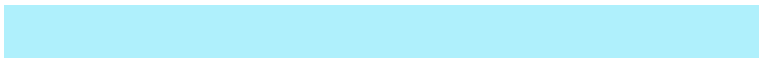
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2292, 0.2816, 0.3582



84.3937, 0.2759, 0.3655



78.7330, 0.2672, 0.3161



19.5030, 0.3025, 0.3371



37.7442, 0.2566, 0.4437



3.5155, 0.2523, 0.4283

Inverse Universe

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



55.5785, 0.3586, 0.3018



50.4579, 0.3723, 0.2959



59.1451, 0.3785, 0.3414



17.3221, 0.3241, 0.3210



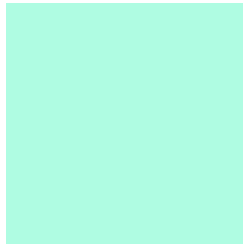
11.1485, 0.5626, 0.2873



1.0515, 0.5293, 0.2690

Previews

White Background



This preview shows how the Yxy color 84.2258, 0.2816, 0.3582 looks on a white background.

Color Contrast Check

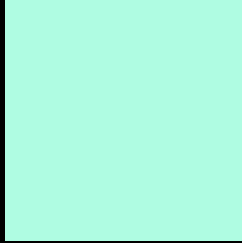
Large Text (above 18pt) WCAG AA × Fail

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 84.2258, 0.2816, 0.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

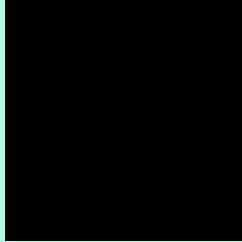
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

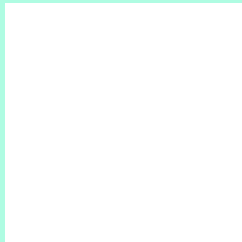
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2258, 0.2816, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 84.2258, 0.2816, 0.3582.

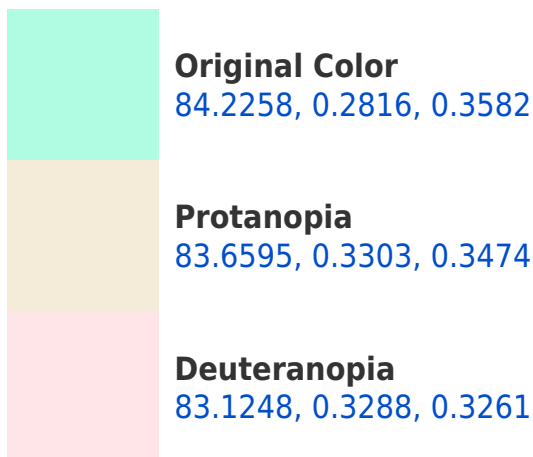


This preview shows how white text looks on a background with the Yxy color 84.2258, 0.2816, 0.3582.

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

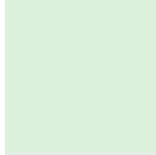
83.7034, 0.2824, 0.3153

Trichromacy



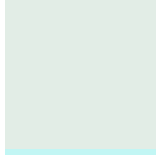
Original Color

84.2258, 0.2816, 0.3582



Protanomaly

83.1380, 0.3110, 0.3514



Deuteranomaly

82.4503, 0.3097, 0.3363



Tritanomaly

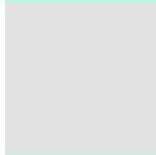
83.9125, 0.2822, 0.3311

Monochromacy



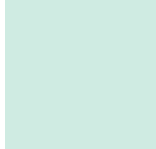
Original Color

84.2258, 0.2816, 0.3582



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.1730, 0.2998, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2258, 0.2816, 0.3582 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, 252, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 252, 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(175, 252, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 252, 226) }
```

Border

The CSS property to change the border of an element to Yxy 84.2258, 0.2816, 0.3582 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, 252, 226) }
```

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

```
.border{ border-color:rgb(175, 252, 226) }
```

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

Here you see how a box with a 4 pixel rgb(175, 252, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 252, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 252, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 252,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2258, 0.2816, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 252, 226) }
```

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

```
.background{ background-color: rgb(175,  
252, 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](#).

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