

Converting Colors

Yxy(104.5336, 0.2889, 0.4052)

Have a look what the booklet for
Yxy(104.5336, 0.2889, 0.4052)
contains.

Yxy(85.0948, 0.2869, 0.3768)	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(85.0948, 0.2869, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFD5
RGB	172, 255, 213
RGB Percent	67%, 100%, 84%
CMY	0.3252, 0.0000, 0.1648
CMYK	0.33, 0.00, 0.16, 0.00
HSL	150°, 100%, 84%
HSV	150°, 33%, 100%
XYZ	64.7922, 85.0948, 75.9485
YIQ	225.3950, -35.9860, -30.6580

Conversions

Conversions Part 2

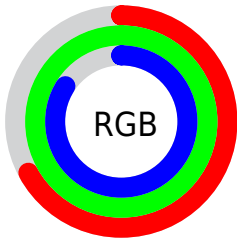
Format	Color
RYB	172, 228, 255
Decimal	11337685
CIELab	93.92, -33.76, 12.15
CIELCh	94, 35.885, 160.204
Yxy	85.0948, 0.2869, 0.3768
Android (android.graphics.Color)	4289527765 (0xFFACFFD5)
YUV	225.3950, -6.1107, -46.8274
Hunter-Lab	92.2468, -36.0574, 15.7583

Details

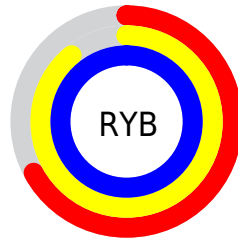
The Yxy color **85.0948, 0.2869, 0.3768** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.6487, 0.3502, 0.2859**, and the grayscale version is **75.6692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.6387, 0.2810, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **81.8531, 0.2803, 0.3946**, and if you desaturate by 10%, it is **88.9493, 0.2943, 0.3604**.

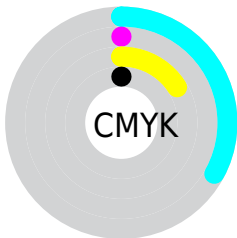
Distribution



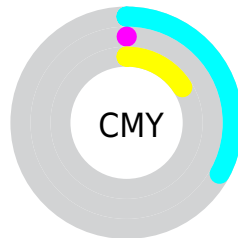
- Red (67%)
- Green (100%)
- Blue (84%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0948, 0.2869, 0.3768 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 85.0948, 0.2869, 0.3768 by changing the saturation by 10% instead.


 85.0948, 0.2869,
0.3768

 85.0948, 0.2869,
0.3768


511.9417, 0.2989,
0.3545

 63.9197, 0.2842,
0.3819


 140.5056, 0.2911,
0.3690

 46.5857, 0.2808,
0.3883


175.5101, 0.2927,
0.3660

 32.7082, 0.2765,
0.3964


215.8933, 0.2941,
0.3634

 21.9030, 0.2708,
0.4070

262.0394, 0.2953,
0.3612

 13.7857, 0.2632,
0.4215

314.3329, 0.2963,
0.3592

 7.9717, 0.2521,
0.4426


373.1582, 0.2973,


 4.0769, 0.2349,


0.3575


0.4758


438.8997, 0.2981,
0.3559


 1.7167, 0.2011,
0.5388


 0.4344, 0.0000,
1.0000


 85.0948, 0.2869,
0.3768


 85.0948, 0.2869,
0.3768


 81.8531, 0.2803,
0.3946


 88.9493, 0.2943,
0.3604

 79.1808, 0.2750,
0.4136

 93.4366, 0.3023,
0.3455

 77.0452, 0.2712,
0.4335

 98.5885, 0.3106,
0.3321

 75.4057, 0.2692,
0.4537

99.9968, 0.3127,
0.3290

■ 74.2156, 0.2693,
0.4736

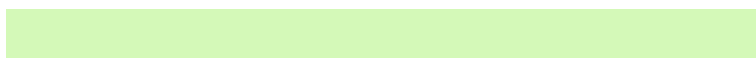
■ 73.4186, 0.2714,
0.4928

■ 73.0184, 0.2740,
0.5063

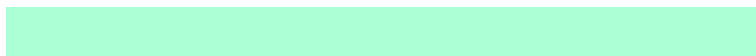
Harmonies

Analogous

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



85.0948, 0.3272, 0.4001



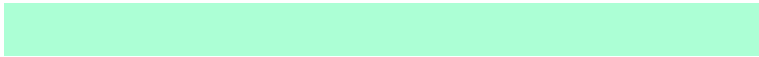
85.0948, 0.2869, 0.3768



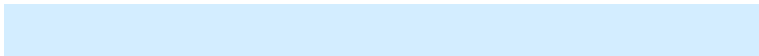
85.0948, 0.2549, 0.3384

Triad

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



85.0948, 0.2869, 0.3768



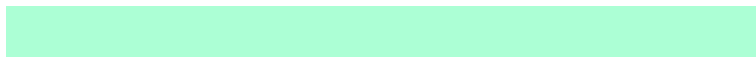
85.0948, 0.2598, 0.2627



85.0948, 0.3932, 0.3495

Complementary

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



85.0948, 0.2869, 0.3768



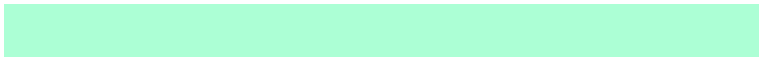
55.6487, 0.3502, 0.2859

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.



85.0948, 0.3729, 0.3162



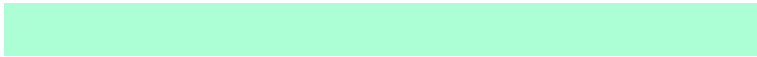
85.0948, 0.2869, 0.3768



85.0948, 0.2941, 0.2681

Square

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



85.0948, 0.2869, 0.3768



85.0948, 0.2402, 0.2732



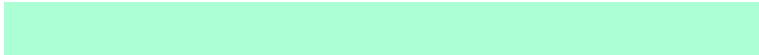
85.0948, 0.3357, 0.2873



85.0948, 0.3899, 0.3802

Rectangle

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



85.0948, 0.2869, 0.3768



85.0948, 0.2420, 0.3119



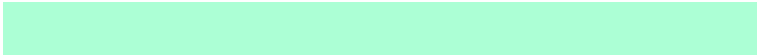
85.0948, 0.3357, 0.2873



85.0948, 0.3889, 0.3383

Sweetspot

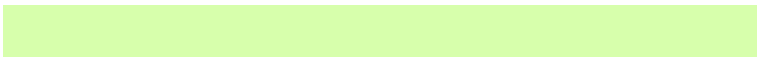
The Sweet Spot groups the original color and five complimentary colors.



85.0983, 0.2869, 0.3768



94.6761, 0.3044, 0.3420



88.9319, 0.3349, 0.4183



20.1161, 0.3032, 0.3439



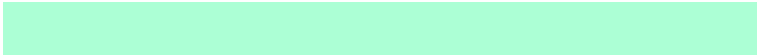
0.0000, 0.0000, 0.0000



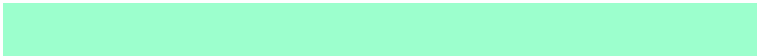
21.4041, 0.3127, 0.3290

Same Dimension

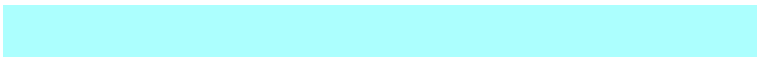
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0983, 0.2869, 0.3768



82.9325, 0.2825, 0.3882



87.4260, 0.2668, 0.3304



20.3176, 0.3048, 0.3413



38.1854, 0.2732, 0.5034



3.7400, 0.2673, 0.4824

Inverse Universe

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



55.6487, 0.3502, 0.2859



49.3391, 0.3606, 0.2772



53.8242, 0.3872, 0.3278



18.1407, 0.3214, 0.3170



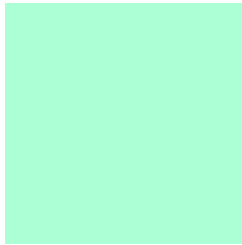
11.9698, 0.4936, 0.2493



1.1875, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 85.0948, 0.2869, 0.3768 looks on a white background.

Color Contrast Check

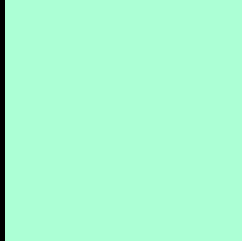
Large Text (above 18pt) WCAG AA × Fail

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 85.0948, 0.2869, 0.3768 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 85.0948, 0.2869, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 85.0948, 0.2869, 0.3768.

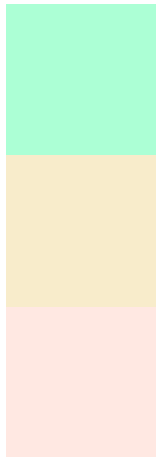


This preview shows how white text looks on a background with the Yxy color 85.0948, 0.2869, 0.3768.

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

85.0948, 0.2869, 0.3768

Protanopia

84.2592, 0.3421, 0.3627

Deuteranopia

84.4642, 0.3325, 0.3350



Tritanopia

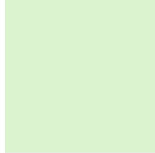
84.7311, 0.2842, 0.3164

Trichromacy



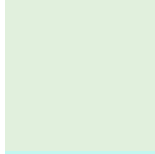
Original Color

85.0948, 0.2869, 0.3768



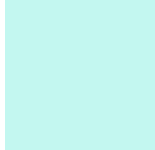
Protanomaly

83.8218, 0.3194, 0.3676



Deuteranomaly

83.5482, 0.3144, 0.3490



Tritanomaly

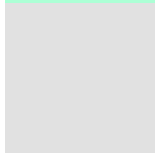
84.4149, 0.2850, 0.3365

Monochromacy



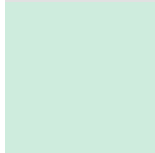
Original Color

85.0948, 0.2869, 0.3768



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.3332, 0.3021, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0948, 0.2869, 0.3768 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(172, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 213)  
}
```

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(172, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 85.0948, 0.2869, 0.3768 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(172, 255, 213) }
```

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

```
.border{ border-color:rgb(172, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0948, 0.2869, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 213) }
```

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

```
.background{ background-color: rgb(172,  
255, 213) }
```

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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