

Converting Colors

$Y_{xy}(100.0000, 0.2900, 0.4048)$

Have a look what the booklet for
Yxy(100.0000, 0.2900, 0.4048)
contains.

Yxy(84.7320, 0.2889, 0.3828)	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(84.7320, 0.2889, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFD0
RGB	171, 255, 208
RGB Percent	67%, 100%, 82%
CMY	0.3293, 0.0000, 0.1842
CMYK	0.33, 0.00, 0.18, 0.00
HSL	146°, 100%, 84%
HSV	146°, 33%, 100%
XYZ	63.9474, 84.7320, 72.6685
YIQ	224.5260, -34.9770, -32.4250

Conversions

Conversions Part 2

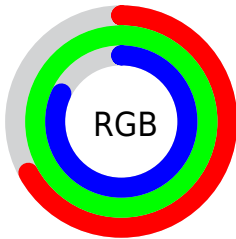
Format	Color
RYB	171, 229, 255
Decimal	11272144
CIELab	93.77, -35.01, 14.47
CIELCh	94, 37.885, 157.539
Yxy	84.7320, 0.2889, 0.3828
Android (android.graphics.Color)	4289462224 (0xFFABFFD0)
YUV	224.5260, -8.1473, -46.9423
Hunter-Lab	92.0500, -37.0829, 17.6287

Details

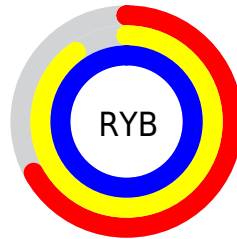
The Yxy color **84.7320, 0.2889, 0.3828** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.4636, 0.3469, 0.2810**, and the grayscale version is **75.0241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.4343, 0.2829, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **81.4708, 0.2829, 0.4027**, and if you desaturate by 10%, it is **88.6157, 0.2957, 0.3645**.

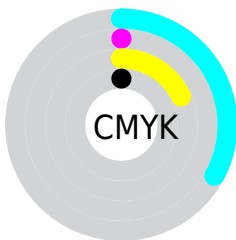
Distribution



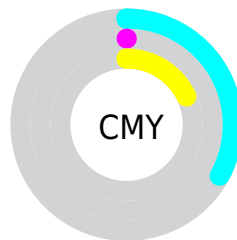
- Red (67%)
- Green (100%)
- Blue (82%)



- Red (67%)
- Yellow (90%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7320, 0.2889, 0.3828 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 84.7320, 0.2889, 0.3828 by changing the saturation by 10% instead.


 84.7320, 0.2889,
0.3828

 84.7320, 0.2889,
0.3828


510.7408, 0.3001,
0.3576

 63.6200, 0.2863,
0.3886

 139.9987, 0.2928,
0.3740

 46.3429, 0.2831,
0.3959


174.9221, 0.2943,
0.3706

 32.5165, 0.2790,
0.4051


215.2181, 0.2956,
0.3677

 21.7563, 0.2735,
0.4172

261.2711, 0.2968,
0.3651

 13.6780, 0.2661,
0.4339

313.4655, 0.2977,
0.3629

 7.8970, 0.2552,
0.4582


372.1857, 0.2986,


 4.0291, 0.2379,


0.3609


0.4966


437.8160, 0.2994,
0.3592


 1.6899, 0.2026,
0.5765


 0.4171, 0.0000,
1.0000


 84.7320, 0.2889,
0.3828

 84.7320, 0.2889,
0.3828

 81.4708, 0.2829,
0.4027


 88.6157, 0.2957,
0.3645

 78.7882, 0.2781,
0.4239

 93.1425, 0.3030,
0.3479

 76.6508, 0.2748,
0.4459

 98.3445, 0.3105,
0.3330

 75.0173, 0.2733,
0.4682

99.9981, 0.3127,
0.3290

■ 73.8402, 0.2738,
0.4899

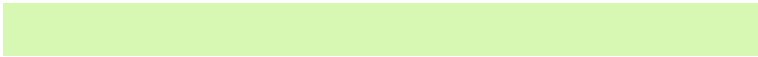
■ 73.0623, 0.2762,
0.5103

■ 72.6948, 0.2788,
0.5237

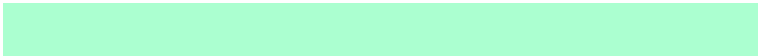
Harmonies

Analogous

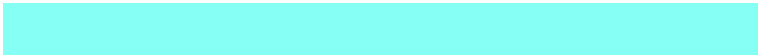
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7320, 0.3317, 0.4055



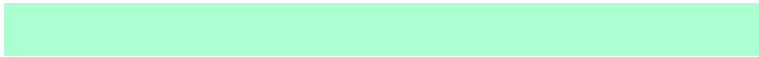
84.7320, 0.2889, 0.3828



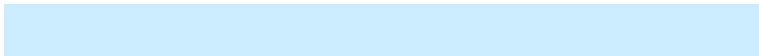
84.7320, 0.2541, 0.3426

Triad

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



84.7320, 0.2889, 0.3828



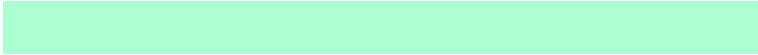
84.7320, 0.2544, 0.2594



84.7320, 0.3969, 0.3472

Complementary

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



84.7320, 0.2889, 0.3828



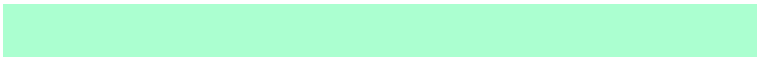
55.4636, 0.3469, 0.2810

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.



84.7320, 0.3735, 0.3124



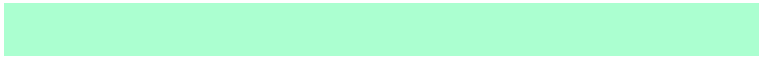
84.7320, 0.2889, 0.3828



84.7320, 0.2893, 0.2638

Square

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



84.7320, 0.2889, 0.3828



84.7320, 0.2354, 0.2719



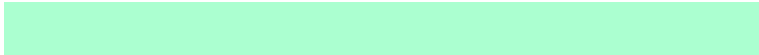
84.7320, 0.3330, 0.2828



84.7320, 0.3956, 0.3803

Rectangle

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



84.7320, 0.2889, 0.3828



84.7320, 0.2395, 0.3143



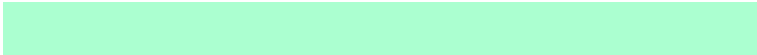
84.7320, 0.3330, 0.2828



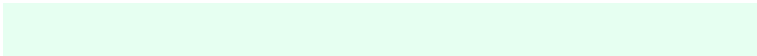
84.7320, 0.3917, 0.3354

Sweetspot

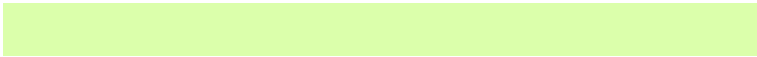
The Sweet Spot groups the original color and five complimentary colors.



84.7355, 0.2889, 0.3828



94.5952, 0.3052, 0.3434



89.4605, 0.3379, 0.4187



20.0965, 0.3041, 0.3455



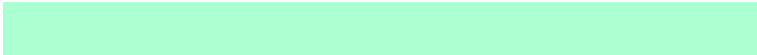
0.0000, 0.0000, 0.0000



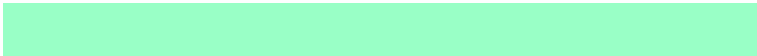
21.4041, 0.3127, 0.3290

Same Dimension

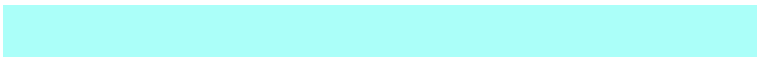
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7355, 0.2889, 0.3828



82.3660, 0.2846, 0.3967



87.0451, 0.2683, 0.3350



20.3011, 0.3055, 0.3426



38.0145, 0.2780, 0.5207



3.7229, 0.2718, 0.4985

Inverse Universe

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



55.4636, 0.3469, 0.2810



48.6994, 0.3571, 0.2705



53.5605, 0.3846, 0.3233



18.1573, 0.3206, 0.3158



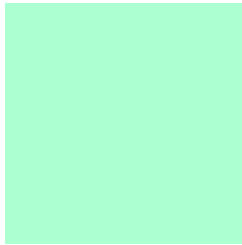
12.1708, 0.4712, 0.2370



1.2070, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 84.7320, 0.2889, 0.3828 looks on a white background.

Color Contrast Check

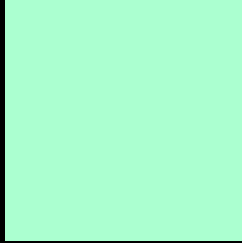
Large Text (above 18pt) WCAG AA × Fail

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 84.7320, 0.2889, 0.3828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

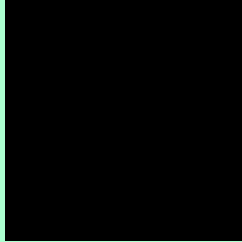
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

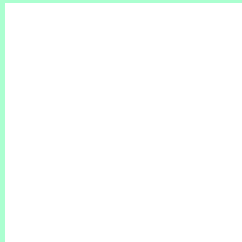
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7320, 0.2889, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 84.7320, 0.2889, 0.3828.

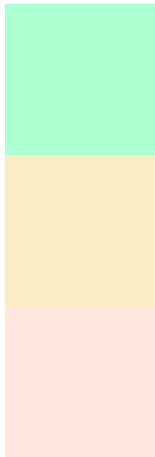


This preview shows how white text looks on a background with the Yxy color 84.7320, 0.2889, 0.3828.

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

84.7320, 0.2889, 0.3828

Protanopia

83.6336, 0.3463, 0.3668

Deuteranopia

83.7395, 0.3346, 0.3370



Tritanopia

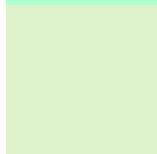
84.4430, 0.2831, 0.3164

Trichromacy



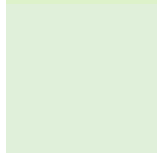
Original Color

84.7320, 0.2889, 0.3828



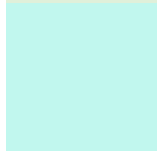
Protanomaly

83.1407, 0.3232, 0.3720



Deuteranomaly

83.2294, 0.3156, 0.3523



Tritanomaly

84.0320, 0.2849, 0.3387

Monochromacy



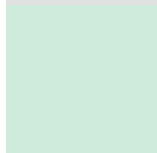
Original Color

84.7320, 0.2889, 0.3828



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.0845, 0.3026, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7320, 0.2889, 0.3828 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, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 208)  
}
```

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, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 84.7320, 0.2889, 0.3828 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, 255, 208) }
```

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

```
.border{ border-color:rgb(171, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7320, 0.2889, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 208) }
```

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

```
.background{ background-color: rgb(171,  
255, 208) }
```

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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