

Converting Colors

$Yxy(85.2832, 0.2979, 0.3922)$

Have a look what the booklet for
Yxy(85.2832, 0.2979, 0.3922)
contains.

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Color

Yxy(85.2738, 0.2975, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFC8
RGB	179, 255, 200
RGB Percent	70%, 100%, 78%
CMY	0.2979, 0.0000, 0.2156
CMYK	0.30, 0.00, 0.22, 0.00
HSL	137°, 100%, 85%
HSV	137°, 30%, 100%
XYZ	64.7828, 85.2738, 67.7008
YIQ	226.0060, -27.6410, -33.2170

Conversions

Conversions Part 2

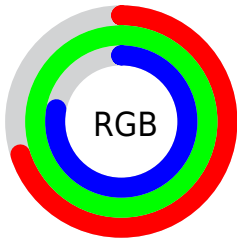
Format	Color
RYB	179, 239, 255
Decimal	11796424
CIELab	94.00, -34.12, 18.95
CIElCh	94, 39.029, 150.946
Yxy	85.2738, 0.2975, 0.3916
Android (android.graphics.Color)	4289986504 (0xFFB3FFC8)
YUV	226.0060, -12.8210, -41.2243
Hunter-Lab	92.3438, -36.3769, 21.1729

Details

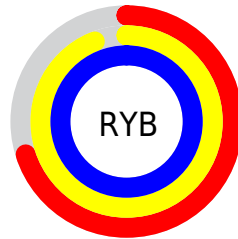
The Yxy color **85.2738, 0.2975, 0.3916** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.4538, 0.3325, 0.2737**, and the grayscale version is **76.1748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.7486, 0.2933, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **81.7024, 0.2930, 0.4171**, and if you desaturate by 10%, it is **89.5183, 0.3024, 0.3682**.

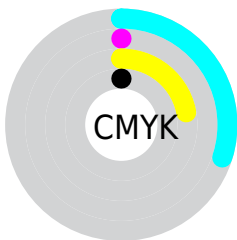
Distribution



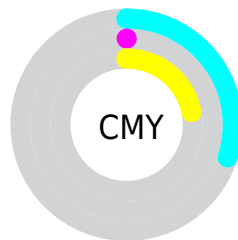
- Red (70%)
- Green (100%)
- Blue (78%)



- Red (70%)
- Yellow (94%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2738, 0.2975, 0.3916 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 85.2738, 0.2975, 0.3916 by changing the saturation by 10% instead.


 85.2738, 0.2975,
0.3916

 85.2738, 0.2975,
0.3916


512.5336, 0.3050,
0.3622

 64.0676, 0.2957,
0.3984


 140.7557, 0.3002,
0.3813

 46.7055, 0.2934,
0.4069


175.8001, 0.3012,
0.3773

 32.8029, 0.2904,
0.4177


216.2262, 0.3021,
0.3739

 21.9755, 0.2864,
0.4319

262.4182, 0.3028,
0.3710

 13.8389, 0.2807,
0.4515

314.7605, 0.3035,
0.3684

 8.0087, 0.2720,
0.4799


373.6376, 0.3040,


 4.1005, 0.2574,

0.3661

0.5247


439.4339, 0.3045,
0.3640


 1.7299, 0.2343,
0.6330

 0.4429, 0.0000,
1.0000

 85.2738, 0.2975,
0.3916


 85.2738, 0.2975,
0.3916

 81.7024, 0.2930,
0.4171


 89.5183, 0.3024,
0.3682

 78.7588, 0.2894,
0.4443

 94.4573, 0.3076,
0.3472

 76.4085, 0.2868,
0.4724

99.9986, 0.3127,
0.3290

 74.6095, 0.2856,
0.5001

■ 73.3138, 0.2860,
0.5262

■ 72.4650, 0.2880,
0.5491

■ 71.9750, 0.2911,
0.5678

■ 71.9666, 0.2912,
0.5682

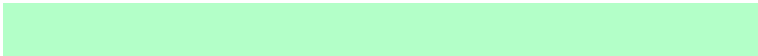
Harmonies

Analogous

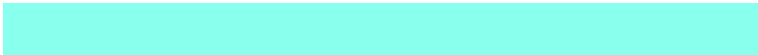
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2738, 0.3417, 0.4094



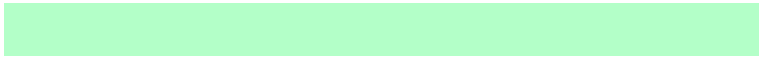
85.2738, 0.2975, 0.3916



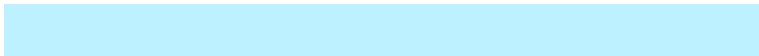
85.2738, 0.2592, 0.3528

Triad

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



85.2738, 0.2975, 0.3916



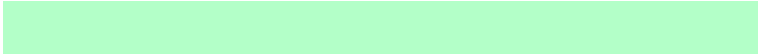
85.2738, 0.2470, 0.2589



85.2738, 0.3961, 0.3396

Complementary

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



85.2738, 0.2975, 0.3916



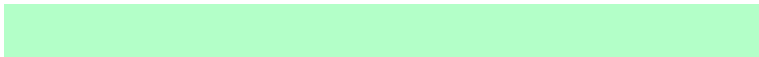
59.4538, 0.3325, 0.2737

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.



85.2738, 0.3671, 0.3046



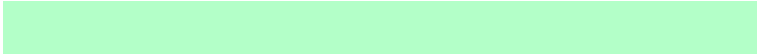
85.2738, 0.2975, 0.3916



85.2738, 0.2796, 0.2598

Square

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



85.2738, 0.2975, 0.3916



85.2738, 0.2317, 0.2755



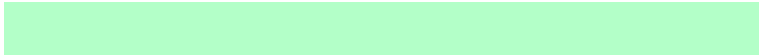
85.2738, 0.3234, 0.2763



85.2738, 0.4005, 0.3746

Rectangle

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



85.2738, 0.2975, 0.3916



85.2738, 0.2416, 0.3231



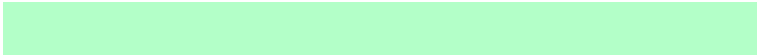
85.2738, 0.3234, 0.2763



85.2738, 0.3888, 0.3276

Sweetspot

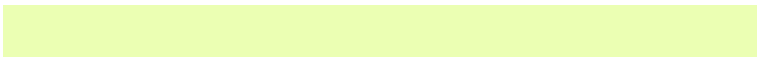
The Sweet Spot groups the original color and five complimentary colors.



85.2774, 0.2975, 0.3916



94.8802, 0.3080, 0.3457



92.3926, 0.3442, 0.4073



20.1431, 0.3073, 0.3486



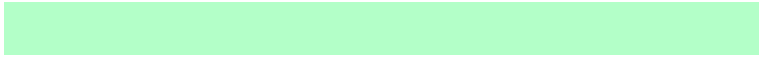
0.0000, 0.0000, 0.0000



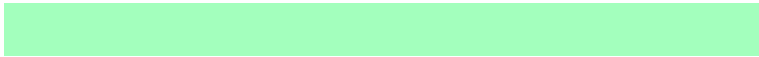
21.4041, 0.3127, 0.3290

Same Dimension

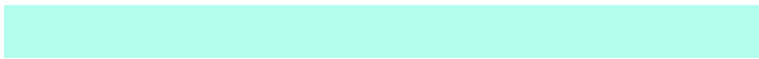
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2774, 0.2975, 0.3916



82.9829, 0.2947, 0.4072



87.2366, 0.2783, 0.3484



20.2506, 0.3078, 0.3467



37.6263, 0.2904, 0.5654



3.6811, 0.2843, 0.5436

Inverse Universe

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



59.4538, 0.3325, 0.2737



53.2182, 0.3378, 0.2621



57.5329, 0.3641, 0.3107



18.2097, 0.3181, 0.3120



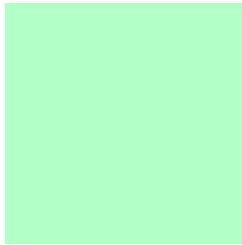
12.9556, 0.4060, 0.2010



1.2800, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 85.2738, 0.2975, 0.3916 looks on a white background.

Color Contrast Check

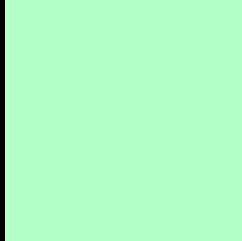
Large Text (above 18pt) WCAG AA × Fail

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 85.2738, 0.2975, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

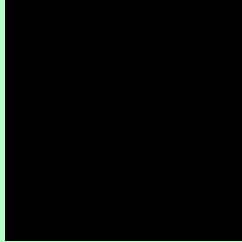
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

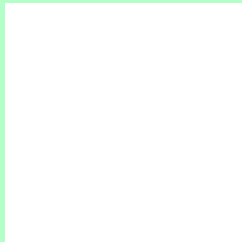
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2738, 0.2975, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 85.2738, 0.2975, 0.3916.

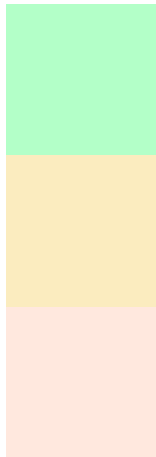


This preview shows how white text looks on a background with the Yxy color 85.2738, 0.2975, 0.3916.

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

85.2738, 0.2975, 0.3916

Protanopia

84.2617, 0.3522, 0.3748

Deuteranopia

84.2472, 0.3351, 0.3390



Tritanopia

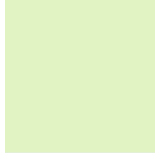
85.1701, 0.2860, 0.3165

Trichromacy



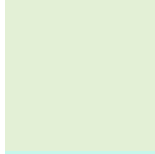
Original Color

85.2738, 0.2975, 0.3916



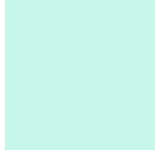
Protanomaly

84.0038, 0.3307, 0.3814



Deuteranomaly

83.5061, 0.3200, 0.3565



Tritanomaly

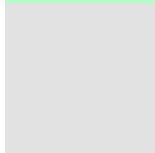
84.6618, 0.2900, 0.3419

Monochromacy



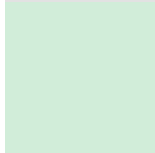
Original Color

85.2738, 0.2975, 0.3916



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1334, 0.3064, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2738, 0.2975, 0.3916 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(179, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 200)  
}
```

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(179, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 85.2738, 0.2975, 0.3916 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(179, 255, 200) }
```

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

```
.border{ border-color:rgb(179, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2738, 0.2975, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 200) }
```

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

```
.background{ background-color: rgb(179,  
255, 200) }
```

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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