

Converting Colors

$Yxy(85.3042, 0.3003, 0.3956)$

Have a look what the booklet for
Yxy(85.3042, 0.3003, 0.3956)
contains.

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Color

Yxy(85.3293, 0.3008, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFC4
RGB	181, 255, 196
RGB Percent	71%, 100%, 77%
CMY	0.2900, 0.0000, 0.2315
CMYK	0.29, 0.00, 0.23, 0.00
HSL	132°, 100%, 85%
HSV	132°, 29%, 100%
XYZ	64.7831, 85.3293, 65.2569
YIQ	226.1480, -25.1650, -34.0370

Conversions

Conversions Part 2

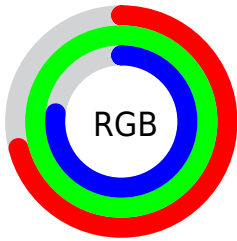
Format	Color
RYB	181, 243, 255
Decimal	11927492
CIELab	94.02, -34.22, 21.07
CIELCh	94, 40.188, 148.373
Yxy	85.3293, 0.3008, 0.3962
Android (android.graphics.Color)	4290117572 (0xFFB5FFC4)
YUV	226.1480, -14.8630, -39.5948
Hunter-Lab	92.3739, -36.4697, 22.7767

Details

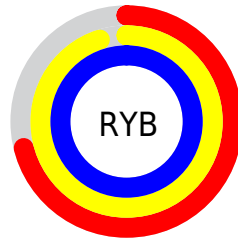
The Yxy color **85.3293, 0.3008, 0.3962** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.6201, 0.3275, 0.2701**, and the grayscale version is **76.2946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7890, 0.3034, 0.3309**, and **46.7768, 0.2973, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **81.6613, 0.2971, 0.4243**, and if you desaturate by 10%, it is **89.6936, 0.3048, 0.3705**.

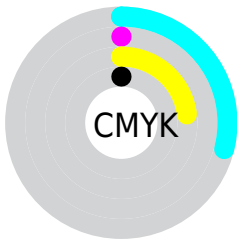
Distribution



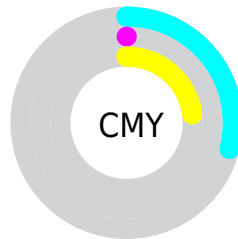
- Red (71%)
- Green (100%)
- Blue (77%)



- Red (71%)
- Yellow (95%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3293, 0.3008, 0.3962 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 85.3293, 0.3008, 0.3962 by changing the saturation by 10% instead.

 85.3293, 0.3008,
0.3962

 85.3293, 0.3008,
0.3962


512.7171, 0.3069,
0.3646

 64.1135, 0.2993,
0.4035


 140.8332, 0.3030,
0.3851

 46.7426, 0.2973,
0.4127


175.8900, 0.3038,
0.3809

 32.8322, 0.2948,
0.4243


216.3294, 0.3045,
0.3772

 21.9980, 0.2912,
0.4396

262.5356, 0.3051,
0.3740

 13.8554, 0.2861,
0.4606

314.8931, 0.3057,
0.3712

 8.0202, 0.2780,
0.4912

373.7862, 0.3061,

 4.1079, 0.2640,

0.3687

0.5392

439.5994, 0.3065,
0.3665

1.7341, 0.2471,
0.6691

0.4456, 0.0000,
1.0000

85.3293, 0.3008,
0.3962

85.3293, 0.3008,
0.3962

81.6613, 0.2971,
0.4243

89.6936, 0.3048,
0.3705

78.6441, 0.2940,
0.4541

94.7779, 0.3090,
0.3474

76.2419, 0.2917,
0.4846

100.0000, 0.3127,
0.3290

74.4113, 0.2907,
0.5143

■ 73.1031, 0.2909,
0.5413

■ 72.2596, 0.2924,
0.5639

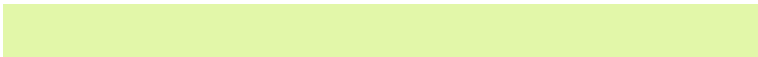
■ 71.7979, 0.2948,
0.5809

■ 71.7630, 0.2951,
0.5823

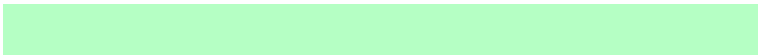
Harmonies

Analogous

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



85.3293, 0.3462, 0.4121



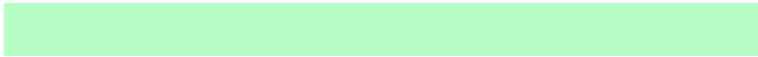
85.3293, 0.3008, 0.3962



85.3293, 0.2605, 0.3574

Triad

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



85.3293, 0.3008, 0.3962



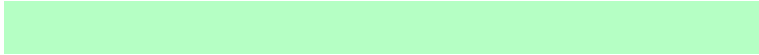
85.3293, 0.2431, 0.2577



85.3293, 0.3969, 0.3366

Complementary

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



85.3293, 0.3008, 0.3962



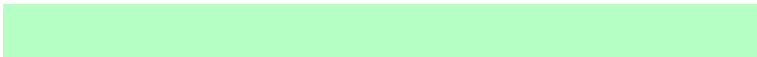
60.6201, 0.3275, 0.2701

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.



85.3293, 0.3652, 0.3011



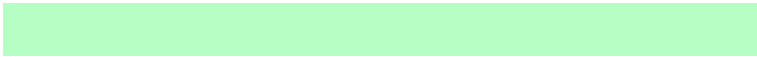
85.3293, 0.3008, 0.3962



85.3293, 0.2752, 0.2572

Square

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



85.3293, 0.3008, 0.3962



85.3293, 0.2291, 0.2762



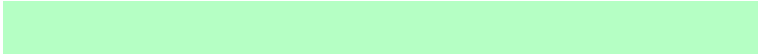
85.3293, 0.3196, 0.2729



85.3293, 0.4037, 0.3728

Rectangle

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



85.3293, 0.3008, 0.3962



85.3293, 0.2415, 0.3267



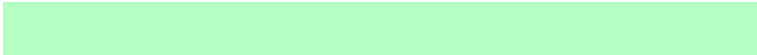
85.3293, 0.3196, 0.2729



85.3293, 0.3887, 0.3243

Sweetspot

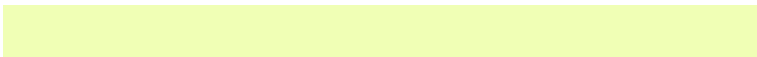
The Sweet Spot groups the original color and five complimentary colors.



85.3325, 0.3008, 0.3962



94.7799, 0.3090, 0.3474



93.4196, 0.3467, 0.4043



20.1186, 0.3084, 0.3506



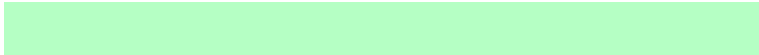
0.0000, 0.0000, 0.0000



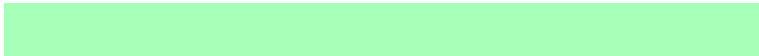
21.4041, 0.3127, 0.3290

Same Dimension

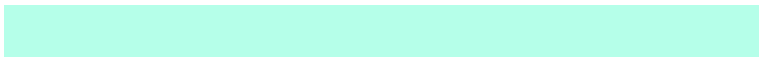
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3325, 0.3008, 0.3962



83.0505, 0.2985, 0.4128



87.2211, 0.2816, 0.3533



20.2281, 0.3088, 0.3485



37.5145, 0.2944, 0.5800



3.6674, 0.2890, 0.5605

Inverse Universe

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



60.6201, 0.3275, 0.2701



54.5556, 0.3313, 0.2578



58.6469, 0.3580, 0.3061



18.2339, 0.3169, 0.3102



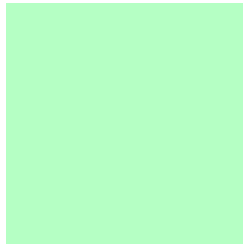
13.3976, 0.3798, 0.1866



1.3197, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 85.3293, 0.3008, 0.3962 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 85.3293, 0.3008, 0.3962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

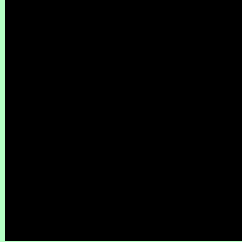
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3293, 0.3008, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 85.3293, 0.3008, 0.3962.

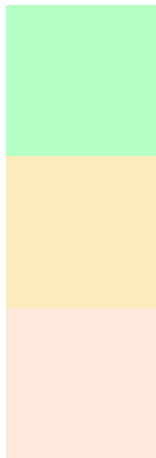


This preview shows how white text looks on a background with the Yxy color 85.3293, 0.3008, 0.3962.

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

85.3293, 0.3008, 0.3962

Protanopia

84.2742, 0.3556, 0.3788

Deuteranopia

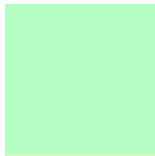
84.7583, 0.3357, 0.3410



Tritanopia

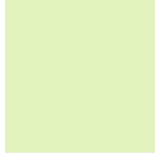
84.7213, 0.2865, 0.3154

Trichromacy



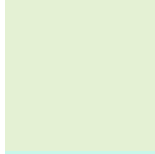
Original Color

85.3293, 0.3008, 0.3962



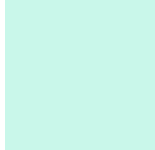
Protanomaly

83.9876, 0.3338, 0.3856



Deuteranomaly

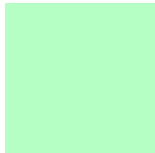
84.1580, 0.3219, 0.3596



Tritanomaly

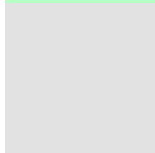
84.8795, 0.2917, 0.3429

Monochromacy



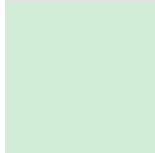
Original Color

85.3293, 0.3008, 0.3962



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1763, 0.3083, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3293, 0.3008, 0.3962 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(181, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 196)  
}
```

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(181, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 85.3293, 0.3008, 0.3962 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(181, 255, 196) }
```

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

```
.border{ border-color:rgb(181, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3293, 0.3008, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 196) }
```

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

```
.background{ background-color: rgb(181,  
255, 196) }
```

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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