

Converting Colors

Yxy(83.6017, 0.2878, 0.3530)

Have a look what the booklet for
Yxy(83.6017, 0.2878, 0.3530)
contains.

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Color

Yxy(83.8622, 0.2875, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	BBF9E3
RGB	187, 249, 227
RGB Percent	73%, 98%, 89%
CMY	0.2665, 0.0236, 0.1098
CMYK	0.25, 0.00, 0.09, 0.02
HSL	159°, 84%, 85%
HSV	159°, 25%, 98%
XYZ	68.2434, 83.8622, 85.2627
YIQ	227.9540, -29.8900, -19.9860

Conversions

Conversions Part 2

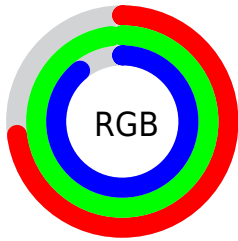
Format	Color
R _Y B	187, 225, 249
Decimal	12319203
CIE Lab	93.39, -23.79, 4.26
CIE LCh	93, 24.165, 169.846
Yxy	83.8622, 0.2875, 0.3533
Android (android.graphics.Color)	4290509283 (0xFFBBF9E3)
YUV	227.9540, -0.4703, -35.9167
Hunter-Lab	91.5763, -27.2390, 8.9011

Details

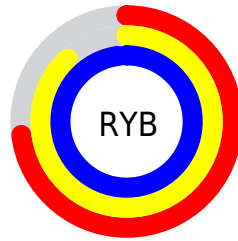
The Yxy color **83.8622, 0.2875, 0.3533** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3075, 0.3469, 0.3060**, and the grayscale version is **77.5767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **45.5834, 0.2812, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **80.5159, 0.2785, 0.3648**, and if you desaturate by 10%, it is **87.7850, 0.2973, 0.3428**.

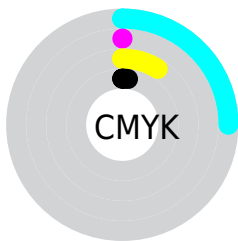
Distribution



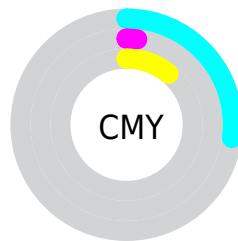
- Red (73%)
- Green (98%)
- Blue (89%)



- Red (73%)
- Yellow (88%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)





- Cyan (27%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8622, 0.2875, 0.3533 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 83.8622, 0.2875, 0.3533 by changing the saturation by 10% instead.


 83.8622, 0.2875,
0.3533

 83.8622, 0.2875,
0.3533

507.8555, 0.2990,
0.3422

 62.9017, 0.2849,
0.3558


 138.7824, 0.2914,
0.3495

 45.7617, 0.2818,
0.3589


173.5109, 0.2930,
0.3480

 32.0578, 0.2778,
0.3628


213.5974, 0.2943,
0.3467

 21.4056, 0.2727,
0.3679

259.4265, 0.2955,
0.3455

 13.4208, 0.2659,
0.3748

311.3824, 0.2965,
0.3445

 7.7190, 0.2562,
0.3847

369.8496, 0.2974,

 3.9157, 0.2417,

0.3437

0.3999

435.2126, 0.2982,
0.3429

■ 1.6265, 0.2171,
0.4263

■ 0.3754, 0.0000,
0.7720

■ 83.8622, 0.2875,
0.3533

■ 83.8622, 0.2875,
0.3533

■ 80.5159, 0.2785,
0.3648

■ 87.7850, 0.2973,
0.3428

■ 77.7072, 0.2707,
0.3771

■ 92.3003, 0.3076,
0.3333

■ 75.4087, 0.2643,
0.3901

■ 96.1334, 0.3139,
0.3247

■ 73.5860, 0.2596,
0.4037

■ 96.2281, 0.3130,
0.3233

■ 72.2007, 0.2569,
0.4176

■ 71.2079, 0.2563,
0.4315

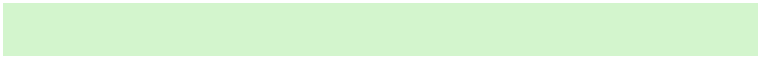
■ 70.5526, 0.2576,
0.4451

■ 70.3067, 0.2589,
0.4520

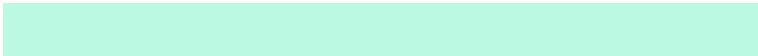
Harmonies

Analogous

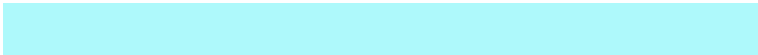
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8622, 0.3142, 0.3726



83.8622, 0.2875, 0.3533



83.8622, 0.2681, 0.3271

Triad

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



83.8622, 0.2875, 0.3533



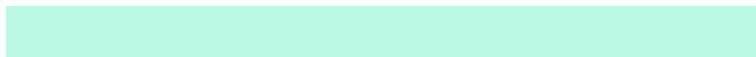
83.8622, 0.2833, 0.2831



83.8622, 0.3680, 0.3512

Complementary

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



83.8622, 0.2875, 0.3533



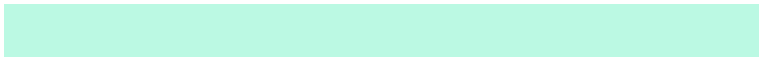
60.3075, 0.3469, 0.3060

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.



83.8622, 0.3592, 0.3281



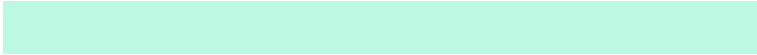
83.8622, 0.2875, 0.3533



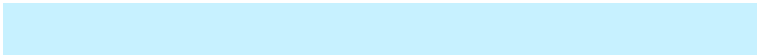
83.8622, 0.3093, 0.2900

Square

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



83.8622, 0.2875, 0.3533



83.8622, 0.2658, 0.2874



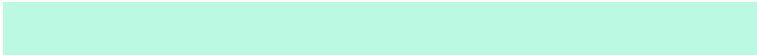
83.8622, 0.3373, 0.3062



83.8622, 0.3612, 0.3699

Rectangle

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



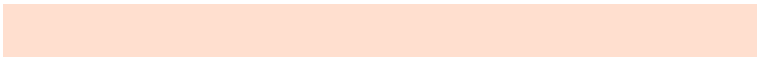
83.8622, 0.2875, 0.3533



83.8622, 0.2615, 0.3103



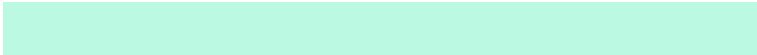
83.8622, 0.3373, 0.3062



83.8622, 0.3668, 0.3437

Sweetspot

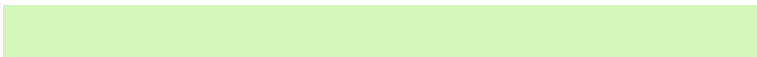
The Sweet Spot groups the original color and five complimentary colors.



83.8657, 0.2875, 0.3533



96.3688, 0.3054, 0.3352



85.0054, 0.3239, 0.3969



20.5631, 0.3047, 0.3358



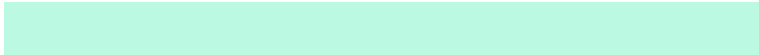
0.0000, 0.0000, 0.0000



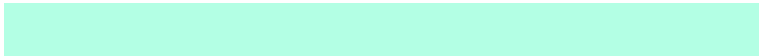
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8657, 0.2875, 0.3533



86.6366, 0.2827, 0.3591



80.1649, 0.2753, 0.3199



19.4978, 0.3028, 0.3376



37.6639, 0.2583, 0.4498



3.5085, 0.2538, 0.4336

Inverse Universe

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



60.3075, 0.3469, 0.3060



57.7400, 0.3564, 0.3010



62.8989, 0.3633, 0.3379



17.3270, 0.3238, 0.3206



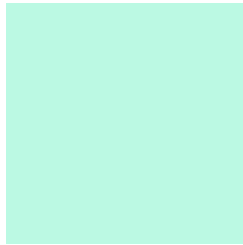
11.1858, 0.5561, 0.2837



1.0554, 0.5232, 0.2656

Previews

White Background



This preview shows how the Yxy color 83.8622, 0.2875, 0.3533 looks on a white background.

Color Contrast Check

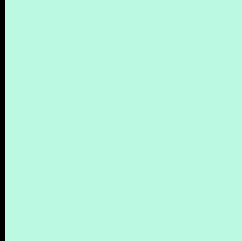
Large Text (above 18pt) WCAG AA × Fail

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 83.8622, 0.2875, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

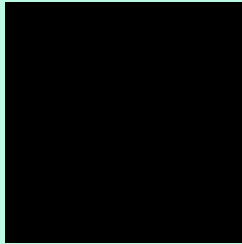
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

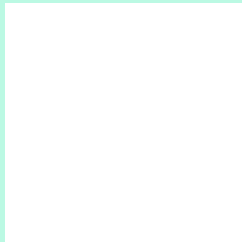
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8622, 0.2875, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 83.8622, 0.2875, 0.3533.

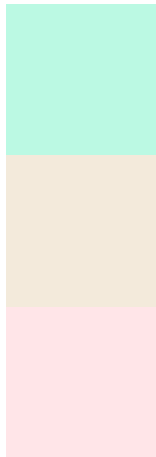


This preview shows how white text looks on a background with the Yxy color 83.8622, 0.2875, 0.3533.

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

83.8622, 0.2875, 0.3533

Protanopia

83.0148, 0.3284, 0.3444

Deuteranopia

83.1248, 0.3288, 0.3261



Tritanopia

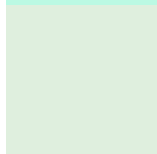
83.5405, 0.2841, 0.3143

Trichromacy



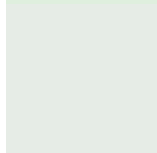
Original Color

83.8622, 0.2875, 0.3533



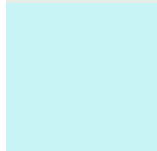
Protanomaly

82.6949, 0.3125, 0.3470



Deuteranomaly

82.5271, 0.3124, 0.3352



Tritanomaly

83.5733, 0.2850, 0.3279

Monochromacy



Original Color

83.8622, 0.2875, 0.3533



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.7385, 0.3025, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8622, 0.2875, 0.3533 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(187, 249, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 249, 227)  
}
```

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(187, 249, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 249, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.8622, 0.2875, 0.3533 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(187, 249, 227) }
```

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

```
.border{ border-color:rgb(187, 249, 227) }
```

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

Here you see how a box with a 4 pixel rgb(187, 249, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 249, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 249, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 249,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8622, 0.2875, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 249, 227) }
```

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

```
.background{ background-color: rgb(187,  
249, 227) }
```

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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