

Converting Colors

$Yxy(83.3645, 0.2952, 0.3652)$

Have a look what the booklet for
Yxy(83.3645, 0.2952, 0.3652)
contains.

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Color

Yxy(83.6564, 0.2951, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	BEF9D8
RGB	190, 249, 216
RGB Percent	75%, 98%, 85%
CMY	0.2553, 0.0234, 0.1530
CMYK	0.24, 0.00, 0.13, 0.02
HSL	146°, 83%, 86%
HSV	146°, 24%, 98%
XYZ	67.4877, 83.6564, 77.5503
YIQ	227.5970, -24.5710, -22.7710

Conversions

Conversions Part 2

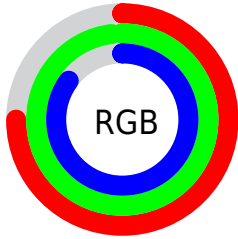
Format	Color
RYB	190, 231, 249
Decimal	12515800
CIELab	93.30, -25.06, 9.84
CIELCh	93, 26.923, 158.561
Yxy	83.6564, 0.2951, 0.3658
Android (android.graphics.Color)	4290705880 (0xFFBEF9D8)
YUV	227.5970, -5.7173, -32.9726
Hunter-Lab	91.4639, -28.3534, 13.7540

Details

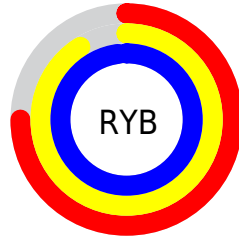
The Yxy color **83.6564, 0.2951, 0.3658** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.2570, 0.3353, 0.2949**, and the grayscale version is **77.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **45.4234, 0.2907, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **80.0349, 0.2884, 0.3842**, and if you desaturate by 10%, it is **87.8935, 0.3024, 0.3491**.

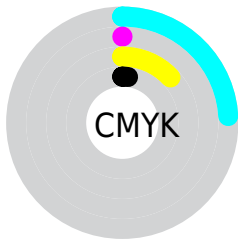
Distribution



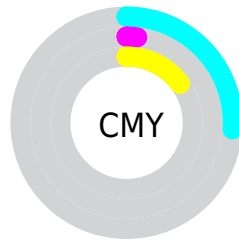
- Red (75%)
- Green (98%)
- Blue (85%)



- Red (75%)
- Yellow (91%)
- Blue (98%)



- Cyan (24%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (26%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6564, 0.2951, 0.3658 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 83.6564, 0.2951, 0.3658 by changing the saturation by 10% instead.


 83.6564, 0.2951,
0.3658

 83.6564, 0.2951,
0.3658

507.1715, 0.3033,
0.3487

 62.7318, 0.2932,
0.3697


 138.4944, 0.2979,
0.3599

 45.6243, 0.2909,
0.3746


173.1766, 0.2990,
0.3576

 31.9494, 0.2880,
0.3807


213.2135, 0.3000,
0.3556

 21.3229, 0.2841,
0.3888

258.9894, 0.3008,
0.3538

 13.3602, 0.2788,
0.3998

310.8888, 0.3016,
0.3523

 7.6771, 0.2712,
0.4158


369.2960, 0.3022,


 3.8890, 0.2593,


0.3510

0.4409


434.5955, 0.3028,
0.3498


 1.6117, 0.2377,
0.4862


 0.3654, 0.0000,
1.0000


 83.6564, 0.2951,
0.3658


 83.6564, 0.2951,
0.3658


 80.0349, 0.2884,
0.3842


 87.8935, 0.3024,
0.3491


 76.9893, 0.2825,
0.4042

 92.7631, 0.3099,
0.3342


 74.4911, 0.2778,
0.4254


 96.2468, 0.3130,
0.3233

 72.5053, 0.2746,
0.4474

 70.9926, 0.2732,
0.4695

 69.9077, 0.2738,
0.4911

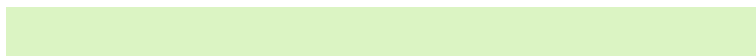
 69.1954, 0.2764,
0.5114

 68.8899, 0.2787,
0.5232

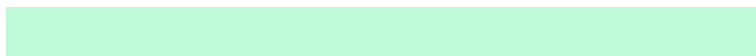
Harmonies

Analogous

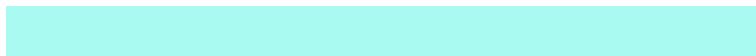
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6564, 0.3259, 0.3823



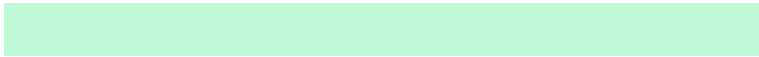
83.6564, 0.2951, 0.3658



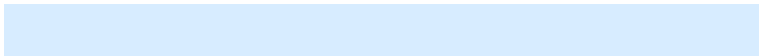
83.6564, 0.2699, 0.3381

Triad

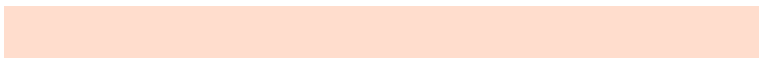
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6564, 0.2951, 0.3658



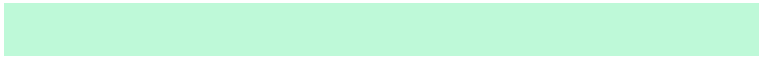
83.6564, 0.2713, 0.2783



83.6564, 0.3728, 0.3440

Complementary

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



83.6564, 0.2951, 0.3658



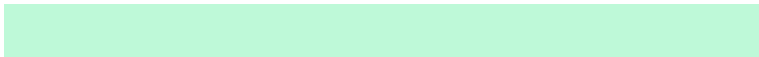
62.2570, 0.3353, 0.2949

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.



83.6564, 0.3568, 0.3183



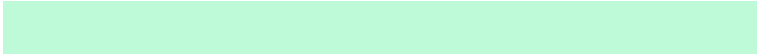
83.6564, 0.2951, 0.3658



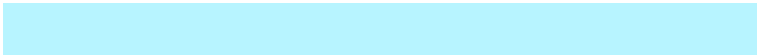
83.6564, 0.2972, 0.2816

Square

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



83.6564, 0.2951, 0.3658



83.6564, 0.2567, 0.2877



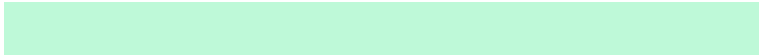
83.6564, 0.3286, 0.2960



83.6564, 0.3717, 0.3675

Rectangle

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



83.6564, 0.2951, 0.3658



83.6564, 0.2592, 0.3183



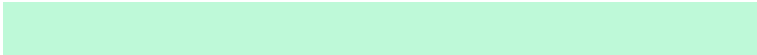
83.6564, 0.3286, 0.2960



83.6564, 0.3692, 0.3354

Sweetspot

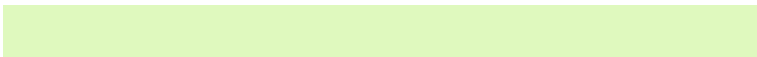
The Sweet Spot groups the original color and five complimentary colors.



83.6599, 0.2951, 0.3658



96.1445, 0.3074, 0.3389



87.2335, 0.3312, 0.3919



20.5111, 0.3069, 0.3397



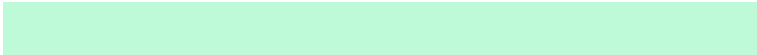
0.0000, 0.0000, 0.0000



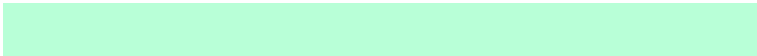
21.4041, 0.3127, 0.3290

Same Dimension

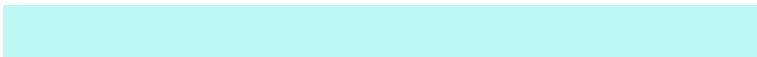
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6599, 0.2951, 0.3658



86.5726, 0.2921, 0.3735



85.3001, 0.2796, 0.3332



19.4365, 0.3055, 0.3426



36.8948, 0.2778, 0.5202



3.4380, 0.2714, 0.4970

Inverse Universe

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



62.2570, 0.3353, 0.2949



60.7295, 0.3405, 0.2885



60.8208, 0.3590, 0.3250



17.3876, 0.3206, 0.3158



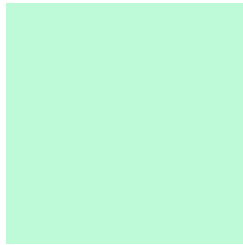
11.8095, 0.4714, 0.2370



1.1151, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 83.6564, 0.2951, 0.3658 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 83.6564, 0.2951, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

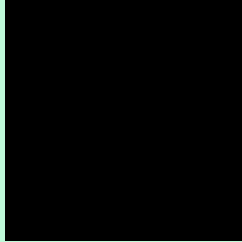
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

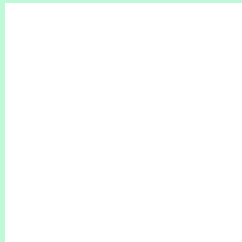
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6564, 0.2951, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 83.6564, 0.2951, 0.3658.

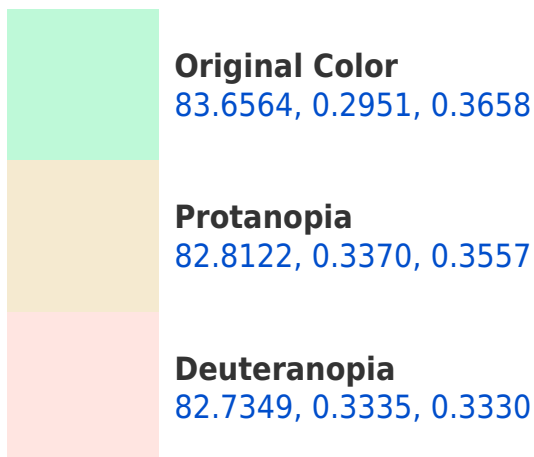


This preview shows how white text looks on a background with the Yxy color 83.6564, 0.2951, 0.3658.

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





Tritanopia

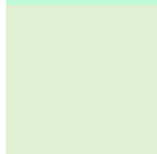
83.6859, 0.2847, 0.3143

Trichromacy



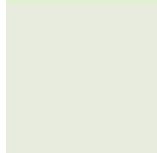
Original Color

83.6564, 0.2951, 0.3658



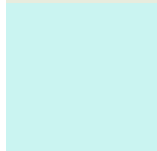
Protanomaly

82.4437, 0.3206, 0.3588



Deuteranomaly

82.2538, 0.3181, 0.3436



Tritanomaly

83.6088, 0.2883, 0.3321

Monochromacy



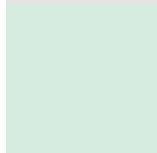
Original Color

83.6564, 0.2951, 0.3658



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.6689, 0.3055, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6564, 0.2951, 0.3658 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(190, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(190, 249, 216)  
}
```

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(190, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 249, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.6564, 0.2951, 0.3658 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(190, 249, 216) }
```

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

```
.border{ border-color:rgb(190, 249, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 249, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(190, 249,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6564, 0.2951, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 249, 216) }
```

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

```
.background{ background-color: rgb(190,  
249, 216) }
```

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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