

Converting Colors

Yxy(83.8982, 0.2961, 0.3623)

Have a look what the booklet for
Yxy(83.8982, 0.2961, 0.3623)
contains.

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Color

Yxy(83.6661, 0.2964, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	C2F8DA
RGB	194, 248, 218
RGB Percent	76%, 97%, 85%
CMY	0.2393, 0.0274, 0.1451
CMYK	0.22, 0.00, 0.12, 0.03
HSL	147°, 79%, 87%
HSV	147°, 22%, 97%
XYZ	68.4667, 83.6661, 78.8614
YIQ	228.4340, -22.5540, -20.7780

Conversions

Conversions Part 2

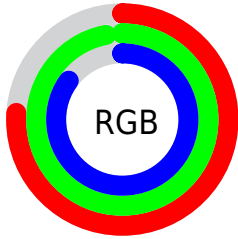
Format	Color
RYB	194, 231, 248
Decimal	12777690
CIELab	93.31, -22.93, 8.85
CIELCh	93, 24.579, 158.903
Yxy	83.6661, 0.2964, 0.3622
Android (android.graphics.Color)	4290967770 (0xFFC2F8DA)
YUV	228.4340, -5.1440, -30.1986
Hunter-Lab	91.4692, -26.4599, 12.9107

Details

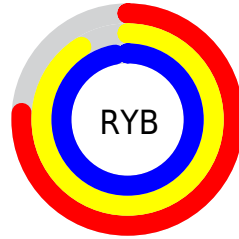
The Yxy color **83.6661, 0.2964, 0.3622** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.9192, 0.3332, 0.2980**, and the grayscale version is **77.9681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **45.3949, 0.2922, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **79.9657, 0.2895, 0.3802**, and if you desaturate by 10%, it is **87.9811, 0.3038, 0.3459**.

Distribution



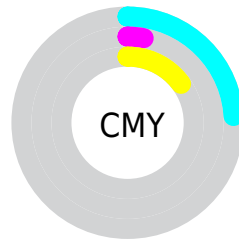
- Red (76%)
- Green (97%)
- Blue (85%)



- Red (76%)
- Yellow (91%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (24%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6661, 0.2964, 0.3622 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 83.6661, 0.2964, 0.3622 by changing the saturation by 10% instead.

 83.6661, 0.2964,
0.3622

 83.6661, 0.2964,
0.3622

507.2038, 0.3040,
0.3468

 62.7398, 0.2947,
0.3657

 138.5080, 0.2990,
0.3569

 45.6307, 0.2925,
0.3701


173.1924, 0.3000,
0.3548

 31.9545, 0.2898,
0.3756


213.2316, 0.3009,
0.3530

 21.3268, 0.2863,
0.3828

259.0100, 0.3017,
0.3514

 13.3631, 0.2815,
0.3926

310.9121, 0.3024,
0.3501

 7.6790, 0.2746,
0.4069

369.3221, 0.3029,

 3.8903, 0.2637,

0.3489

0.4292

434.6246, 0.3035,
0.3478

1.6124, 0.2444,
0.4690

0.3659, 0.0000,
1.0000

83.6661, 0.2964,
0.3622

83.6661, 0.2964,
0.3622

79.9657, 0.2895,
0.3802

87.9811, 0.3038,
0.3459


76.8408, 0.2834,
0.3997


92.9268, 0.3114,
0.3314

74.2639, 0.2784,
0.4206


95.6203, 0.3130,
0.3223

72.2010, 0.2749,
0.4423

 70.6142, 0.2731,
0.4644

 69.4599, 0.2733,
0.4861

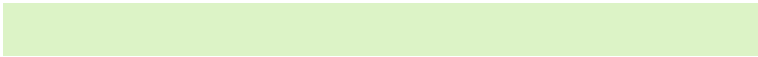
 68.6861, 0.2755,
0.5066

 68.2701, 0.2784,
0.5222

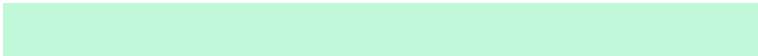
Harmonies

Analogous

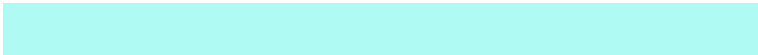
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6661, 0.3246, 0.3774



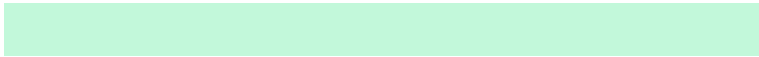
83.6661, 0.2964, 0.3622



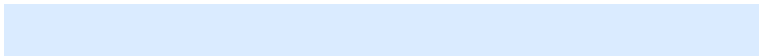
83.6661, 0.2733, 0.3370

Triad

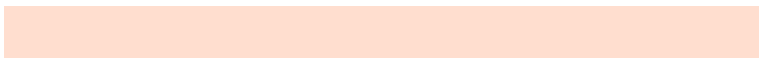
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6661, 0.2964, 0.3622



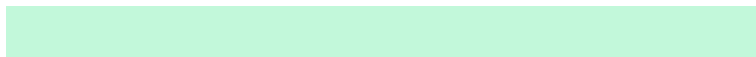
83.6661, 0.2751, 0.2825



83.6661, 0.3676, 0.3432

Complementary

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



83.6661, 0.2964, 0.3622



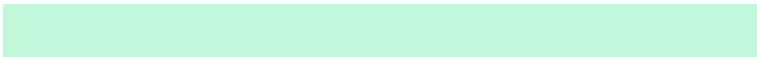
63.9192, 0.3332, 0.2980

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.



83.6661, 0.3532, 0.3196



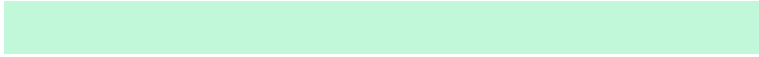
83.6661, 0.2964, 0.3622



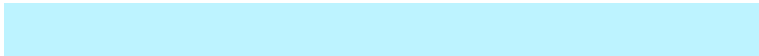
83.6661, 0.2990, 0.2855

Square

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



83.6661, 0.2964, 0.3622



83.6661, 0.2614, 0.2912



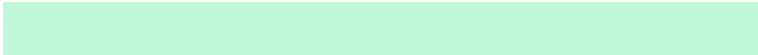
83.6661, 0.3276, 0.2989



83.6661, 0.3664, 0.3646

Rectangle

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



83.6661, 0.2964, 0.3622



83.6661, 0.2636, 0.3191



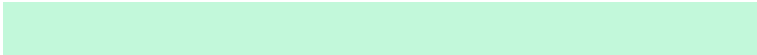
83.6661, 0.3276, 0.2989



83.6661, 0.3644, 0.3353

Sweetspot

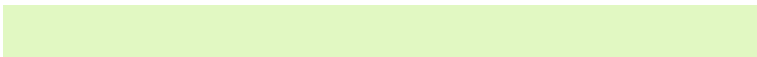
The Sweet Spot groups the original color and five complimentary colors.



83.6696, 0.2964, 0.3622



96.1478, 0.3074, 0.3388



86.9783, 0.3298, 0.3864



20.5119, 0.3069, 0.3397



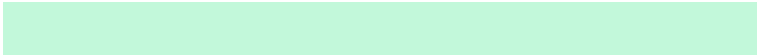
0.0000, 0.0000, 0.0000



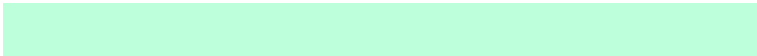
21.4041, 0.3127, 0.3290

Same Dimension

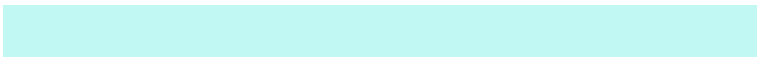
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6696, 0.2964, 0.3622



87.3706, 0.2934, 0.3696



85.1647, 0.2821, 0.3328



19.4374, 0.3055, 0.3425



36.9038, 0.2776, 0.5193



3.4389, 0.2711, 0.4961

Inverse Universe

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



63.9192, 0.3332, 0.2980



62.9923, 0.3382, 0.2917



62.5953, 0.3542, 0.3253



17.3867, 0.3207, 0.3159



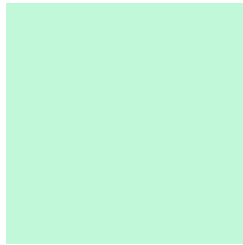
11.7976, 0.4727, 0.2378



1.1140, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 83.6661, 0.2964, 0.3622 looks on a white background.

Color Contrast Check

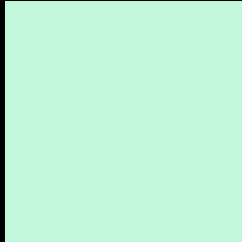
Large Text (above 18pt) WCAG AA × Fail

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 83.6661, 0.2964, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

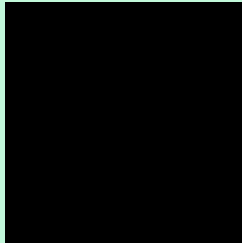
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

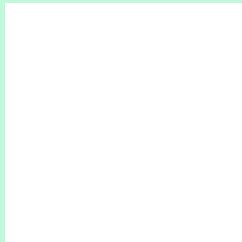
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6661, 0.2964, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 83.6661, 0.2964, 0.3622.

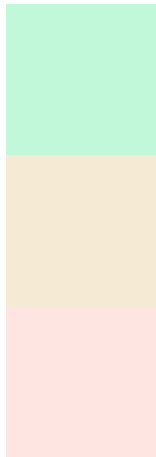


This preview shows how white text looks on a background with the Yxy color 83.6661, 0.2964, 0.3622.

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

83.6661, 0.2964, 0.3622

Protanopia

82.9613, 0.3351, 0.3526

Deuteranopia

82.7896, 0.3328, 0.3320



Tritanopia

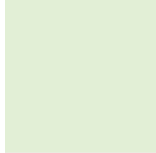
83.3891, 0.2858, 0.3133

Trichromacy



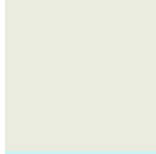
Original Color

83.6661, 0.2964, 0.3622



Protanomaly

82.7568, 0.3195, 0.3555



Deuteranomaly

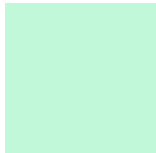
82.6423, 0.3188, 0.3425



Tritanomaly

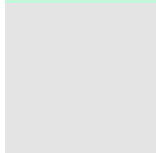
83.4911, 0.2895, 0.3300

Monochromacy



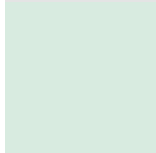
Original Color

83.6661, 0.2964, 0.3622



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.3974, 0.3068, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6661, 0.2964, 0.3622 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(194, 248, 218)` looks like.

```
.text, #text, p{  
    color:rgb(194, 248, 218)  
}
```

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(194, 248, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 248, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.6661, 0.2964, 0.3622 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(194, 248, 218) }
```

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

```
.border{ border-color:rgb(194, 248, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 248, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 248, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 248, 218);  
box-shadow:4px 4px 4px 4px rgb(194, 248,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6661, 0.2964, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 248, 218) }
```

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

```
.background{ background-color: rgb(194,  
248, 218) }
```

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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