

Converting Colors

$Yxy(83.6563, 0.3012, 0.3745)$

Have a look what the booklet for
Yxy(83.6563, 0.3012, 0.3745)
contains.

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Color

Yxy(83.6429, 0.3014, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	C1F9D0
RGB	193, 249, 208
RGB Percent	76%, 98%, 82%
CMY	0.2429, 0.0236, 0.1844
CMYK	0.22, 0.00, 0.16, 0.02
HSL	136°, 82%, 87%
HSV	136°, 22%, 98%
XYZ	67.2625, 83.6429, 72.2614
YIQ	227.5820, -20.2150, -24.6230

Conversions

Conversions Part 2

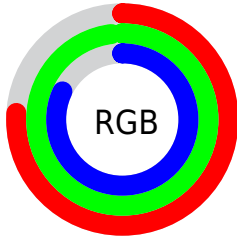
Format	Color
RYB	193, 237, 249
Decimal	12712400
CIELab	93.30, -25.53, 13.99
CIElCh	93, 29.111, 151.285
Yxy	83.6429, 0.3014, 0.3748
Android (android.graphics.Color)	4290902480 (0xFFC1F9D0)
YUV	227.5820, -9.6539, -30.3284
Hunter-Lab	91.4565, -28.7695, 17.1735

Details

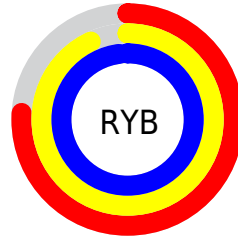
The Yxy color **83.6429, 0.3014, 0.3748** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2502, 0.3264, 0.2872**, and the grayscale version is **77.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **45.4356, 0.2978, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **79.7960, 0.2967, 0.3991**, and if you desaturate by 10%, it is **88.1512, 0.3064, 0.3529**.

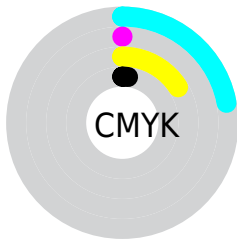
Distribution



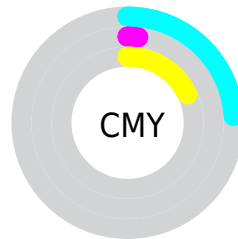
- Red (76%)
- Green (98%)
- Blue (82%)



- Red (76%)
- Yellow (93%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)





- Cyan (24%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6429, 0.3014, 0.3748 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 83.6429, 0.3014, 0.3748 by changing the saturation by 10% instead.


 83.6429, 0.3014,
0.3748

 83.6429, 0.3014,
0.3748

507.1266, 0.3069,
0.3534

 62.7207, 0.3001,
0.3797


 138.4755, 0.3033,
0.3673

 45.6153, 0.2985,
0.3858


173.1547, 0.3041,
0.3645

 31.9423, 0.2964,
0.3936


213.1883, 0.3047,
0.3620

 21.3174, 0.2936,
0.4038

258.9608, 0.3053,
0.3598

 13.3562, 0.2896,
0.4178

310.8564, 0.3057,
0.3579

 7.6743, 0.2837,
0.4382


369.2597, 0.3061,


 3.8873, 0.2738,


0.3563


0.4703


434.5550, 0.3065,
0.3548


 1.6107, 0.2576,
0.5349


 0.3648, 0.0000,
1.0000


 83.6429, 0.3014,
0.3748


 83.6429, 0.3014,
0.3748


 79.7960, 0.2967,
0.3991

 88.1512, 0.3064,
0.3529

 76.5690, 0.2925,
0.4254

 93.3393, 0.3115,
0.3334

 73.9316, 0.2891,
0.4533

 96.2278, 0.3130,
0.3233

 71.8471, 0.2870,
0.4816

■ 70.2743, 0.2862,
0.5093

■ 69.1660, 0.2870,
0.5347

■ 68.4657, 0.2893,
0.5565

■ 68.1461, 0.2917,
0.5700

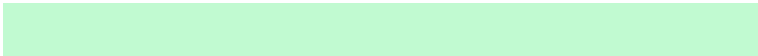
Harmonies

Analogous

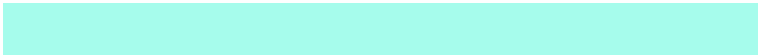
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6429, 0.3349, 0.3885



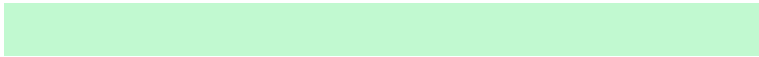
83.6429, 0.3014, 0.3748



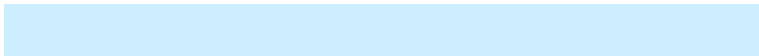
83.6429, 0.2721, 0.3466

Triad

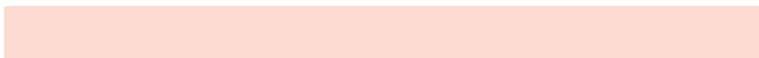
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6429, 0.3014, 0.3748



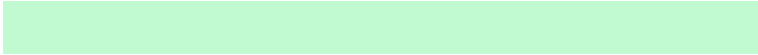
83.6429, 0.2629, 0.2755



83.6429, 0.3752, 0.3383

Complementary

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



83.6429, 0.3014, 0.3748



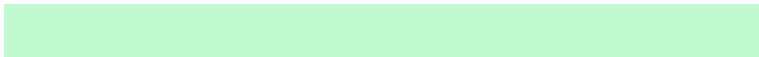
64.2502, 0.3264, 0.2872

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.



83.6429, 0.3539, 0.3110



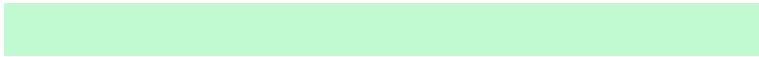
83.6429, 0.3014, 0.3748



83.6429, 0.2883, 0.2759

Square

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



83.6429, 0.3014, 0.3748



83.6429, 0.2508, 0.2888



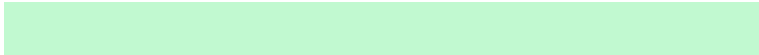
83.6429, 0.3215, 0.2887



83.6429, 0.3785, 0.3648

Rectangle

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



83.6429, 0.3014, 0.3748



83.6429, 0.2585, 0.3249



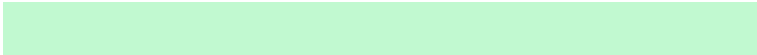
83.6429, 0.3215, 0.2887



83.6429, 0.3698, 0.3289

Sweetspot

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



83.6464, 0.3014, 0.3748



95.9559, 0.3092, 0.3420



89.1065, 0.3365, 0.3871



20.4675, 0.3089, 0.3432



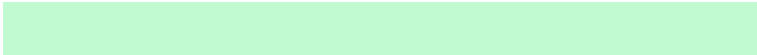
0.0000, 0.0000, 0.0000



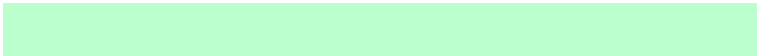
21.4041, 0.3127, 0.3290

Same Dimension

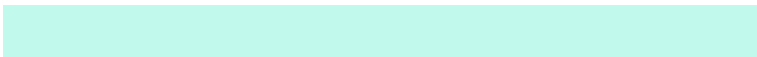
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6464, 0.3014, 0.3748



86.3624, 0.2992, 0.3856



85.1460, 0.2862, 0.3431



19.3853, 0.3079, 0.3469



36.4995, 0.2909, 0.5674



3.3973, 0.2846, 0.5446

Inverse Universe

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



64.2502, 0.3264, 0.2872



62.5340, 0.3297, 0.2784



62.7672, 0.3483, 0.3154



17.4409, 0.3179, 0.3118



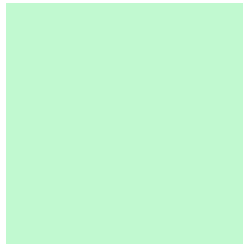
12.6259, 0.4025, 0.1991



1.1869, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 83.6429, 0.3014, 0.3748 looks on a white background.

Color Contrast Check

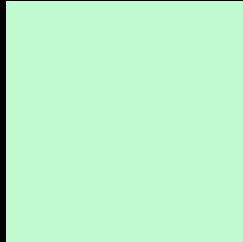
Large Text (above 18pt) WCAG AA × Fail

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 83.6429, 0.3014, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

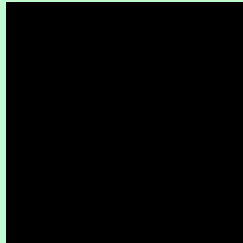
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

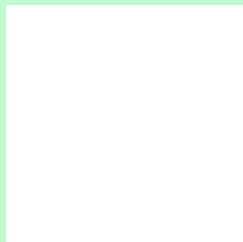
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6429, 0.3014, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 83.6429, 0.3014, 0.3748.

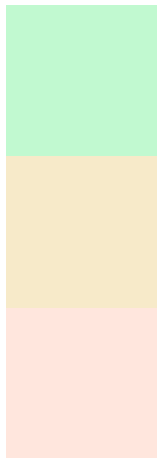


This preview shows how white text looks on a background with the Yxy color 83.6429, 0.3014, 0.3748.

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

83.6429, 0.3014, 0.3748

Protanopia

82.8368, 0.3431, 0.3629

Deuteranopia

83.0741, 0.3361, 0.3380



Tritanopia

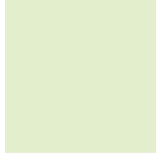
83.3891, 0.2858, 0.3133

Trichromacy



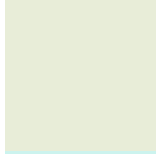
Original Color

83.6429, 0.3014, 0.3748



Protanomaly

82.4235, 0.3264, 0.3663



Deuteranomaly

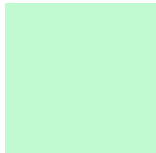
82.6820, 0.3225, 0.3510



Tritanomaly

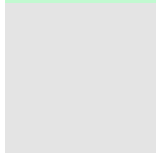
83.1116, 0.2912, 0.3343

Monochromacy



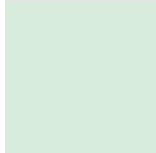
Original Color

83.6429, 0.3014, 0.3748



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.6584, 0.3080, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6429, 0.3014, 0.3748 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(193, 249, 208)` looks like.

```
.text, #text, p{  
    color:rgb(193, 249, 208)  
}
```

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(193, 249, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 249, 208) }
```

Border

The CSS property to change the border of an element to Yxy 83.6429, 0.3014, 0.3748 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(193, 249, 208) }
```

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

```
.border{ border-color:rgb(193, 249, 208) }
```

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

Here you see how a box with a 4 pixel rgb(193, 249, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 249, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 249, 208);  
box-shadow:4px 4px 4px 4px rgb(193, 249,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6429, 0.3014, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 249, 208) }
```

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

```
.background{ background-color: rgb(193,  
249, 208) }
```

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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