

Converting Colors

$Yxy(84.5259, 0.3038, 0.3788)$

Have a look what the booklet for
Yxy(84.5259, 0.3038, 0.3788)
contains.

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Color

Yxy(84.4295, 0.3037, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	C3FACE
RGB	195, 250, 206
RGB Percent	76%, 98%, 81%
CMY	0.2352, 0.0196, 0.1923
CMYK	0.22, 0.00, 0.18, 0.02
HSL	132°, 85%, 87%
HSV	132°, 22%, 98%
XYZ	67.8340, 84.4295, 71.0950
YIQ	228.5390, -18.6560, -25.3440

Conversions

Conversions Part 2

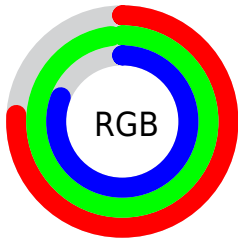
Format	Color
RYB	195, 241, 250
Decimal	12843726
CIELab	93.64, -25.74, 15.52
CIElCh	94, 30.061, 148.918
Yxy	84.4295, 0.3037, 0.3780
Android (android.graphics.Color)	4291033806 (0xFFC3FACE)
YUV	228.5390, -11.1117, -29.4137
Hunter-Lab	91.8855, -29.0231, 18.4452

Details

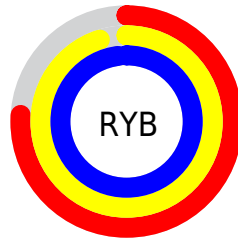
The Yxy color **84.4295, 0.3037, 0.3780** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.6023, 0.3233, 0.2845**, and the grayscale version is **78.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **45.9824, 0.3007, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **80.4645, 0.2998, 0.4045**, and if you desaturate by 10%, it is **89.0831, 0.3078, 0.3541**.

Distribution



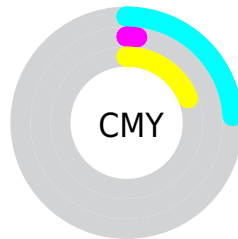
- Red (76%)
- Green (98%)
- Blue (81%)



- Red (76%)
- Yellow (95%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (24%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4295, 0.3037, 0.3780 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 84.4295, 0.3037, 0.3780 by changing the saturation by 10% instead.

 84.4295, 0.3037,
0.3780

 84.4295, 0.3037,
0.3780


509.7384, 0.3082,
0.3551

 63.3701, 0.3026,
0.3833


 139.5758, 0.3053,
0.3700

 46.1407, 0.3012,
0.3898


174.4315, 0.3059,
0.3669

 32.3569, 0.2995,
0.3981


214.6548, 0.3064,
0.3643

 21.6342, 0.2970,
0.4090

260.6300, 0.3069,
0.3620

 13.5884, 0.2936,
0.4239

312.7416, 0.3072,
0.3600

 7.8349, 0.2883,
0.4456

371.3739, 0.3076,

 3.9895, 0.2793,

0.3582

0.4796

436.9114, 0.3079,
0.3566

■ 1.6677, 0.2659,
0.5499

■ 0.4026, 0.0000,
1.0000

■ 84.4295, 0.3037,
0.3780

■ 84.4295, 0.3037,
0.3780

■ 80.4645, 0.2998,
0.4045

■ 89.0831, 0.3078,
0.3541

■ 77.1451, 0.2962,
0.4333

■ 94.4448, 0.3119,
0.3329

■ 74.4397, 0.2934,
0.4635

■ 96.8524, 0.3129,
0.3242

■ 72.3100, 0.2915,
0.4940

■ 70.7131, 0.2907,
0.5230

■ 69.6001, 0.2913,
0.5489

■ 68.9125, 0.2932,
0.5699

■ 68.6007, 0.2952,
0.5826

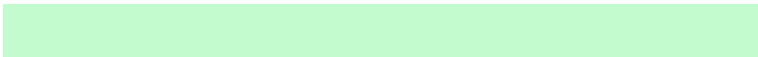
Harmonies

Analogous

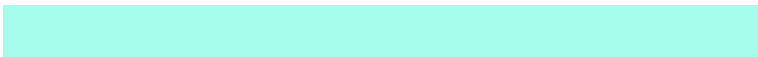
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4295, 0.3381, 0.3906



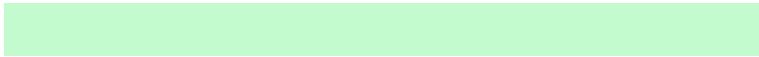
84.4295, 0.3037, 0.3780



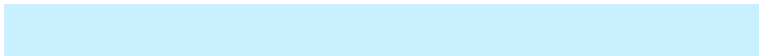
84.4295, 0.2729, 0.3497

Triad

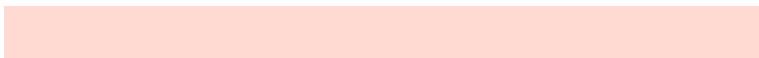
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4295, 0.3037, 0.3780



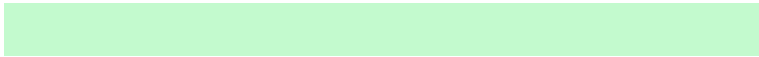
84.4295, 0.2600, 0.2746



84.4295, 0.3759, 0.3362

Complementary

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



84.4295, 0.3037, 0.3780



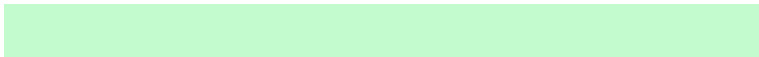
65.6023, 0.3233, 0.2845

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.



84.4295, 0.3527, 0.3084



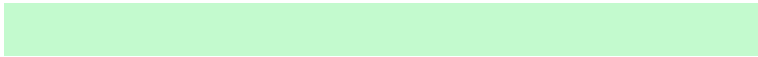
84.4295, 0.3037, 0.3780



84.4295, 0.2851, 0.2739

Square

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



84.4295, 0.3037, 0.3780



84.4295, 0.2487, 0.2893



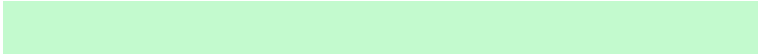
84.4295, 0.3189, 0.2862



84.4295, 0.3809, 0.3638

Rectangle

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



84.4295, 0.3037, 0.3780



84.4295, 0.2583, 0.3273



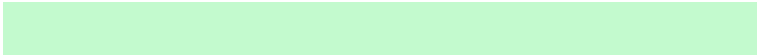
84.4295, 0.3189, 0.2862



84.4295, 0.3699, 0.3266

Sweetspot

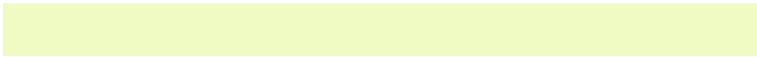
The Sweet Spot groups the original color and five complimentary colors.



84.4331, 0.3037, 0.3780



95.8835, 0.3099, 0.3432



90.8256, 0.3391, 0.3853



20.4508, 0.3096, 0.3445



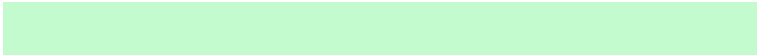
0.0000, 0.0000, 0.0000



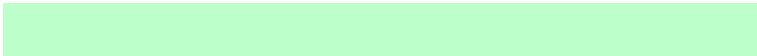
21.4041, 0.3127, 0.3290

Same Dimension

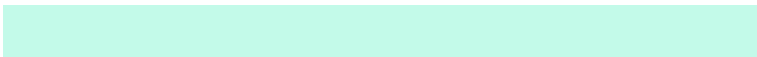
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4331, 0.3037, 0.3780



86.5600, 0.3021, 0.3884



85.8381, 0.2891, 0.3478



19.3657, 0.3088, 0.3486



36.4034, 0.2945, 0.5803



3.3859, 0.2888, 0.5598

Inverse Universe

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



65.6023, 0.3233, 0.2845



63.9251, 0.3256, 0.2761



64.1424, 0.3437, 0.3110



17.4618, 0.3169, 0.3102



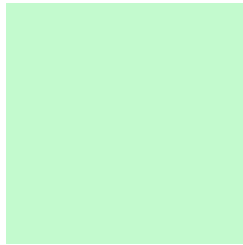
13.0191, 0.3788, 0.1860



1.2203, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 84.4295, 0.3037, 0.3780 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 84.4295, 0.3037, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

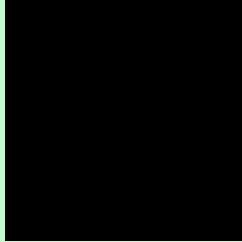
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

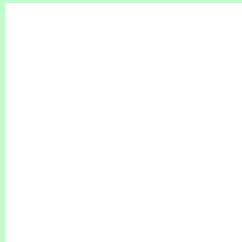
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4295, 0.3037, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 84.4295, 0.3037, 0.3780.

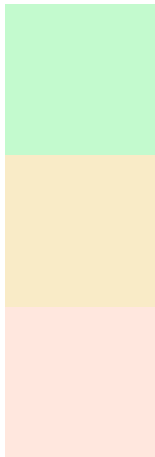


This preview shows how white text looks on a background with the Yxy color 84.4295, 0.3037, 0.3780.

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

84.4295, 0.3037, 0.3780

Protanopia

83.6799, 0.3457, 0.3658

Deuteranopia

83.6858, 0.3353, 0.3380



Tritanopia

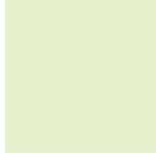
84.4267, 0.2877, 0.3144

Trichromacy



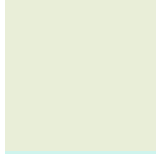
Original Color

84.4295, 0.3037, 0.3780



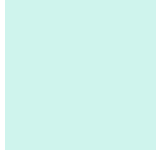
Protanomaly

83.2425, 0.3289, 0.3693



Deuteranomaly

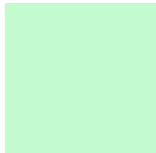
83.4306, 0.3230, 0.3520



Tritanomaly

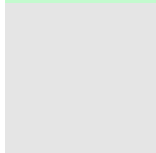
84.0812, 0.2936, 0.3364

Monochromacy



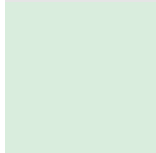
Original Color

84.4295, 0.3037, 0.3780



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5405, 0.3093, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4295, 0.3037, 0.3780 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(195, 250, 206)` looks like.

```
.text, #text, p{  
    color:rgb(195, 250, 206)  
}
```

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(195, 250, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 250, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.4295, 0.3037, 0.3780 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(195, 250, 206) }
```

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

```
.border{ border-color:rgb(195, 250, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 250, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 250, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 250, 206);  
box-shadow:4px 4px 4px 4px rgb(195, 250,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4295, 0.3037, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 250, 206) }
```

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

```
.background{ background-color: rgb(195,  
250, 206) }
```

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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