

Converting Colors

$Yxy(84.2116, 0.2960, 0.3686)$

Have a look what the booklet for
Yxy(84.2116, 0.2960, 0.3686)
contains.

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Color

Yxy(84.1734, 0.2963, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	BEFAD6
RGB	190, 250, 214
RGB Percent	75%, 98%, 84%
CMY	0.2546, 0.0196, 0.1608
CMYK	0.24, 0.00, 0.14, 0.02
HSL	144°, 86%, 86%
HSV	144°, 24%, 98%
XYZ	67.5713, 84.1734, 76.3057
YIQ	227.9560, -24.2040, -23.9160

Conversions

Conversions Part 2

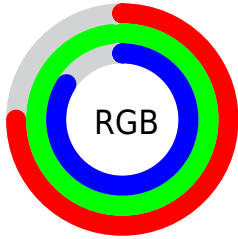
Format	Color
R _{YB}	190, 233, 250
Decimal	12516054
CIE Lab	93.53, -25.84, 11.19
CIE LCh	94, 28.162, 156.591
Yxy	84.1734, 0.2963, 0.3691
Android (android.graphics.Color)	4290706134 (0xFFBEFAD6)
YUV	227.9560, -6.8803, -33.2874
Hunter-Lab	91.7461, -29.0897, 14.9105

Details

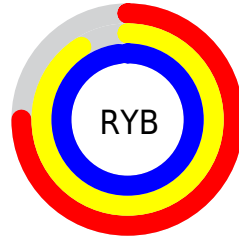
The Yxy color **84.1734, 0.2963, 0.3691** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6737, 0.3336, 0.2921**, and the grayscale version is **77.6254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **45.7940, 0.2922, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **80.4955, 0.2901, 0.3890**, and if you desaturate by 10%, it is **88.4812, 0.3030, 0.3510**.

Distribution



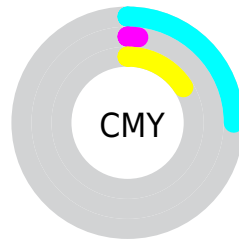
- Red (75%)
- Green (98%)
- Blue (84%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)




- Cyan (25%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1734, 0.2963, 0.3691 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 84.1734, 0.2963, 0.3691 by changing the saturation by 10% instead.


 84.1734, 0.2963,
0.3691

 84.1734, 0.2963,
0.3691


508.8889, 0.3040,
0.3505

 63.1586, 0.2945,
0.3734


 139.2177, 0.2990,
0.3626

 45.9695, 0.2923,
0.3787


174.0160, 0.3000,
0.3601

 32.2218, 0.2895,
0.3854


214.1776, 0.3009,
0.3579

 21.5310, 0.2859,
0.3942

260.0869, 0.3017,
0.3561

 13.5127, 0.2808,
0.4063

312.1283, 0.3024,
0.3544

 7.7825, 0.2735,
0.4238

370.6862, 0.3030,

 3.9561, 0.2618,

0.3529

0.4513

436.1449, 0.3035,
0.3516

1.6490, 0.2409,
0.5013

0.3903, 0.0000,
1.0000

84.1734, 0.2963,
0.3691

84.1734, 0.2963,
0.3691

80.4955, 0.2901,
0.3890

88.4812, 0.3030,
0.3510


77.4069, 0.2846,
0.4106


93.4363, 0.3099,
0.3349

74.8784, 0.2803,
0.4335

96.8455, 0.3129,
0.3242

72.8742, 0.2775,
0.4572

 71.3540, 0.2765,
0.4809

 70.2714, 0.2773,
0.5036

 69.5698, 0.2800,
0.5246

 69.2827, 0.2823,
0.5361

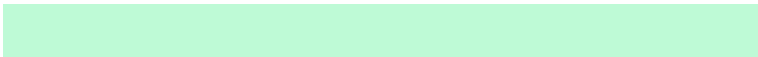
Harmonies

Analogous

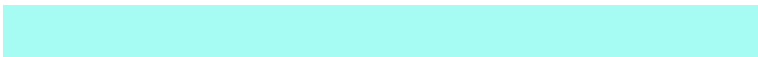
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1734, 0.3285, 0.3853



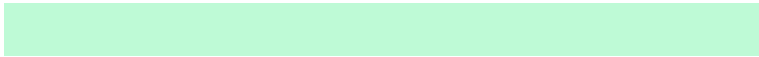
84.1734, 0.2963, 0.3691



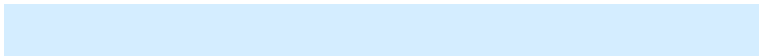
84.1734, 0.2694, 0.3405

Triad

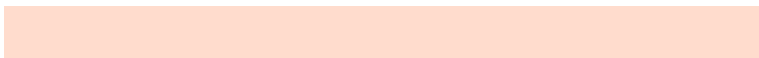
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1734, 0.2963, 0.3691



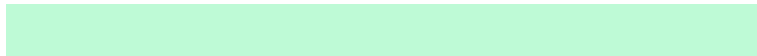
84.1734, 0.2681, 0.2764



84.1734, 0.3749, 0.3428

Complementary

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



84.1734, 0.2963, 0.3691



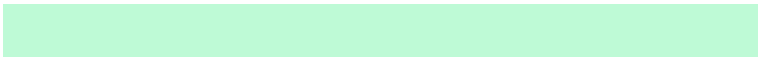
62.6737, 0.3336, 0.2921

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.



84.1734, 0.3571, 0.3161



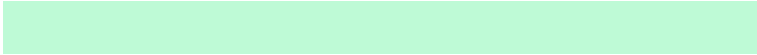
84.1734, 0.2963, 0.3691



84.1734, 0.2945, 0.2790

Square

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



84.1734, 0.2963, 0.3691



84.1734, 0.2538, 0.2870



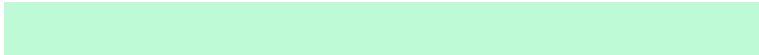
84.1734, 0.3271, 0.2933



84.1734, 0.3749, 0.3677

Rectangle

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



84.1734, 0.2963, 0.3691



84.1734, 0.2578, 0.3197



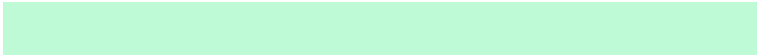
84.1734, 0.3271, 0.2933



84.1734, 0.3708, 0.3338

Sweetspot

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



84.1769, 0.2963, 0.3691



96.0990, 0.3078, 0.3396



88.4206, 0.3334, 0.3922



20.5006, 0.3074, 0.3406



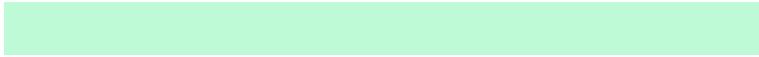
0.0000, 0.0000, 0.0000



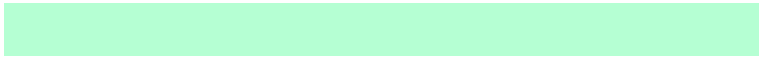
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1769, 0.2963, 0.3691



86.0323, 0.2931, 0.3790



85.7927, 0.2809, 0.3365



19.4241, 0.3061, 0.3436



36.7794, 0.2814, 0.5331



3.4267, 0.2748, 0.5093

Inverse Universe

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



62.6737, 0.3336, 0.2921



59.7896, 0.3392, 0.2840



61.2136, 0.3571, 0.3218



17.4003, 0.3200, 0.3148



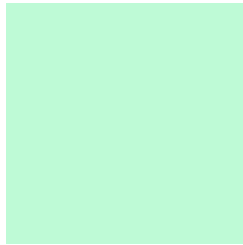
11.9801, 0.4540, 0.2275



1.1305, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 84.1734, 0.2963, 0.3691 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 84.1734, 0.2963, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

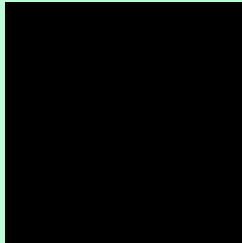
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

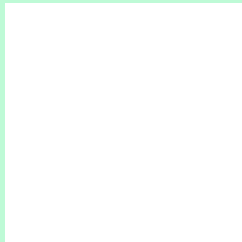
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1734, 0.2963, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 84.1734, 0.2963, 0.3691.

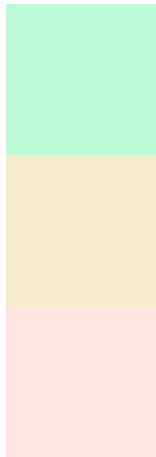


This preview shows how white text looks on a background with the Yxy color 84.1734, 0.2963, 0.3691.

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

84.1734, 0.2963, 0.3691

Protanopia

83.6470, 0.3396, 0.3587

Deuteranopia

83.2899, 0.3334, 0.3340



Tritanopia

83.9795, 0.2859, 0.3144

Trichromacy



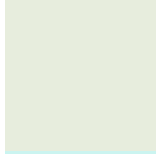
Original Color

84.1734, 0.2963, 0.3691



Protanomaly

83.0924, 0.3225, 0.3619



Deuteranomaly

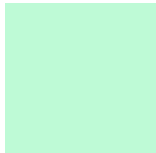
82.7778, 0.3186, 0.3457



Tritanomaly

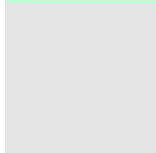
83.6891, 0.2895, 0.3332

Monochromacy



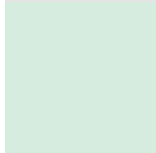
Original Color

84.1734, 0.2963, 0.3691



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.6148, 0.3061, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1734, 0.2963, 0.3691 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, 250, 214)` looks like.

```
.text, #text, p{  
    color:rgb(190, 250, 214)  
}
```

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, 250, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 250, 214) }
```

Border

The CSS property to change the border of an element to Yxy 84.1734, 0.2963, 0.3691 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, 250, 214) }
```

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

```
.border{ border-color:rgb(190, 250, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 250, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 250, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 250, 214);  
box-shadow:4px 4px 4px 4px rgb(190, 250,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1734, 0.2963, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 250, 214) }
```

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

```
.background{ background-color: rgb(190,  
250, 214) }
```

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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