

Converting Colors

$Yxy(68.6088, 0.3136, 0.3836)$

Have a look what the booklet for
Yxy(68.6088, 0.3136, 0.3836)
contains.

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Color

Yxy(68.7135, 0.3135, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	BAE3B5
RGB	186, 227, 181
RGB Percent	73%, 89%, 71%
CMY	0.2707, 0.1098, 0.2901
CMYK	0.18, 0.00, 0.20, 0.11
HSL	114°, 45%, 80%
HSV	114°, 20%, 89%
XYZ	56.0543, 68.7135, 54.0339
YIQ	209.4970, -9.6700, -22.9980

Conversions

Conversions Part 2

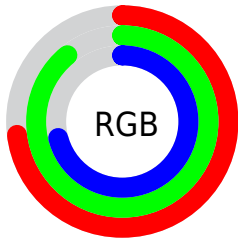
Format	Color
RYB	181, 227, 222
Decimal	12247989
CIELab	86.36, -21.91, 18.14
CIELCh	86, 28.450, 140.377
Yxy	68.7135, 0.3135, 0.3843
Android (android.graphics.Color)	4290438069 (0xFFBAE3B5)
YUV	209.4970, -14.0490, -20.6069
Hunter-Lab	82.8936, -24.3585, 19.3776

Details

The Yxy color **68.7135, 0.3135, 0.3843** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.1420, 0.3111, 0.2782**, and the grayscale version is **64.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6891, 0.3156, 0.3468**, and **35.5899, 0.3130, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **65.4995, 0.3135, 0.4162**, and if you desaturate by 10%, it is **72.4449, 0.3132, 0.3554**.

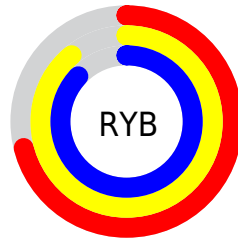
Distribution



Red (73%)

Green (89%)

Blue (71%)



Red (71%)

Yellow (89%)

Blue (87%)

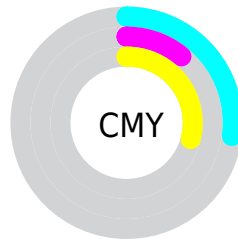


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (11%)



Cyan (27%)


Magenta (11%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7135, 0.3135, 0.3843 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 68.7135, 0.3135, 0.3843 by changing the saturation by 10% instead.


 68.7135, 0.3135,
0.3843

 68.7135, 0.3135,
0.3843


456.0199, 0.3136,
0.3575

 50.4784, 0.3133,
0.3907

 117.3723, 0.3136,
0.3748

 35.7937, 0.3131,
0.3988


148.5648, 0.3137,
0.3711

 24.2749, 0.3126,
0.4093

184.8452, 0.3137,
0.3681

 15.5377, 0.3118,
0.4234

226.5979, 0.3137,
0.3654

 9.1976, 0.3102,
0.4434

274.2073, 0.3137,
0.3630

 4.8703, 0.3070,
0.4739

328.0579, 0.3136,

 2.1714, 0.3006,

0.3610

388.5339, 0.3136,
0.3592

0.5282

0.7043, 0.1603,
0.8397

0.0000, 0.0000,
0.0000

68.7135, 0.3135,
0.3843

68.7135, 0.3135,
0.3843

65.4995, 0.3135,
0.4162

72.4449, 0.3132,
0.3554

62.7717, 0.3131,
0.4504

76.7060, 0.3127,
0.3296

60.5091, 0.3123,
0.4854

81.5195, 0.3121,
0.3071

58.6854, 0.3109,
0.5192

83.4246, 0.3140,
0.3019

■ 57.2719, 0.3091,
0.5494

■ 56.2364, 0.3068,
0.5735

■ 55.5418, 0.3043,
0.5897

■ 55.1440, 0.3022,
0.5982

Harmonies

Analogous

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



68.7135, 0.3477, 0.3916



68.7135, 0.3135, 0.3843



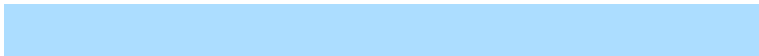
68.7135, 0.2804, 0.3592

Triad

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



68.7135, 0.3135, 0.3843



68.7135, 0.2545, 0.2766



68.7135, 0.3717, 0.3280

Complementary

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



68.7135, 0.3135, 0.3843



54.1420, 0.3111, 0.2782

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.



68.7135, 0.3441, 0.3010



68.7135, 0.3135, 0.3843



68.7135, 0.2763, 0.2720

Square

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



68.7135, 0.3135, 0.3843



68.7135, 0.2476, 0.2954



68.7135, 0.3088, 0.2809



68.7135, 0.3825, 0.3566

Rectangle

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



68.7135, 0.3135, 0.3843



68.7135, 0.2632, 0.3370



68.7135, 0.3088, 0.2809



68.7135, 0.3641, 0.3185

Sweetspot

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



68.7164, 0.3135, 0.3843



96.5551, 0.3130, 0.3441



71.7245, 0.3443, 0.3738



20.5898, 0.3131, 0.3458



0.0000, 0.0000, 0.0000



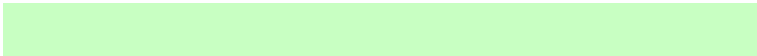
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7164, 0.3135, 0.3843



87.7382, 0.3135, 0.3964



68.8779, 0.2993, 0.3629



16.1630, 0.3132, 0.3532



32.1806, 0.3027, 0.5979



2.4031, 0.3090, 0.5929

Inverse Universe

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



54.1420, 0.3111, 0.2782



65.7474, 0.3106, 0.2682



54.0106, 0.3291, 0.2974



14.5324, 0.3121, 0.3057



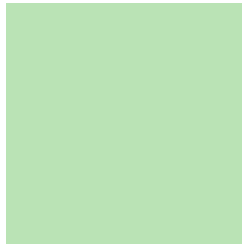
10.6362, 0.2940, 0.1393



0.8086, 0.2982, 0.1416

Previews

White Background



This preview shows how the Yxy color 68.7135, 0.3135, 0.3843 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 68.7135, 0.3135, 0.3843 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

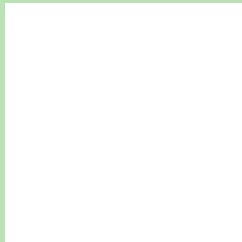
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7135, 0.3135, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 68.7135, 0.3135, 0.3843.

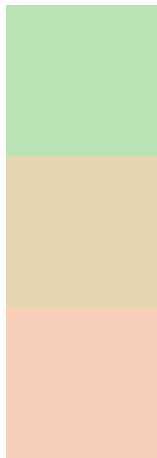


This preview shows how white text looks on a background with the Yxy color 68.7135, 0.3135, 0.3843.

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

68.7135, 0.3135, 0.3843

Protanopia

68.1900, 0.3507, 0.3735

Deuteranopia

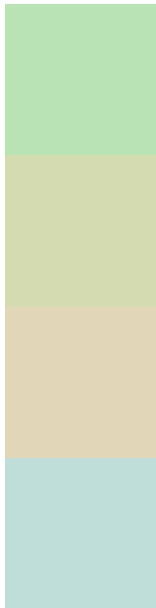
67.9026, 0.3603, 0.3524



Tritanopia

68.3796, 0.2850, 0.3087

Trichromacy



Original Color

68.7135, 0.3135, 0.3843

Protanomaly

67.9835, 0.3369, 0.3772

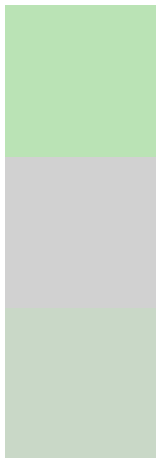
Deuteranomaly

67.5614, 0.3421, 0.3626

Tritanomaly

68.4588, 0.2952, 0.3347

Monochromacy



Original Color

68.7135, 0.3135, 0.3843

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.6528, 0.3132, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7135, 0.3135, 0.3843 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(186, 227, 181)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 181)  
}
```

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(186, 227, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 181) }
```

Border

The CSS property to change the border of an element to Yxy 68.7135, 0.3135, 0.3843 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(186, 227, 181) }
```

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

```
.border{ border-color:rgb(186, 227, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 227, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 181);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7135, 0.3135, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 181) }
```

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

```
.background{ background-color: rgb(186,  
227, 181) }
```

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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