

Converting Colors

Yxy(84.6110, 0.3087, 0.4145)

Have a look what the booklet for
Yxy(84.6110, 0.3087, 0.4145)
contains.

Yxy(84.6800, 0.3087, 0.4139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.6800, 0.3087, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFB5
RGB	181, 255, 181
RGB Percent	71%, 100%, 71%
CMY	0.2903, 0.0000, 0.2900
CMYK	0.29, 0.00, 0.29, 0.00
HSL	120°, 100%, 85%
HSV	120°, 29%, 100%
XYZ	63.1571, 84.6800, 56.7534
YIQ	224.4380, -20.3500, -38.7020

Conversions

Conversions Part 2

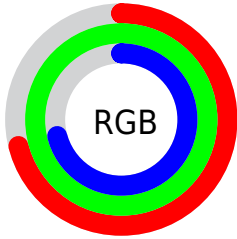
Format	Color
RYB	181, 255, 255
Decimal	11927477
CIELab	93.75, -36.73, 28.26
CIELCh	94, 46.340, 142.423
Yxy	84.6800, 0.3087, 0.4139
Android (android.graphics.Color)	4290117557 (0xFFB5FFB5)
YUV	224.4380, -21.4149, -38.0951
Hunter-Lab	92.0217, -38.5285, 27.8488

Details

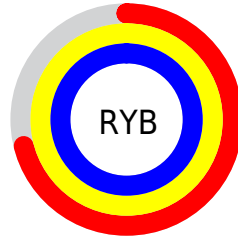
The Yxy color **84.6800, 0.3087, 0.4139** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.5183, 0.3162, 0.2566**, and the grayscale version is **75.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8116, 0.3125, 0.3469**, and **46.3823, 0.3063, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **80.9222, 0.3070, 0.4490**, and if you desaturate by 10%, it is **89.1931, 0.3102, 0.3814**.

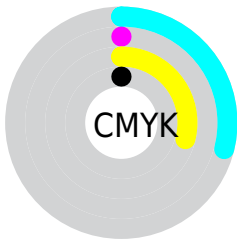
Distribution



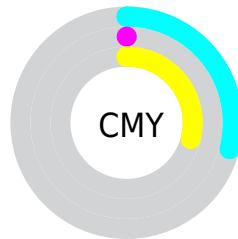
- Red (71%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6800, 0.3087, 0.4139 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 84.6800, 0.3087, 0.4139 by changing the saturation by 10% instead.

 84.6800, 0.3087,
0.4139

 84.6800, 0.3087,
0.4139


510.5686, 0.3116,
0.3737

 63.5770, 0.3078,
0.4233


 139.9260, 0.3099,
0.3998

 46.3082, 0.3065,
0.4349


174.8378, 0.3103,
0.3943

 32.4891, 0.3046,
0.4498


215.1213, 0.3107,
0.3897

 21.7353, 0.3018,
0.4694

261.1610, 0.3109,
0.3856

 13.6626, 0.2973,
0.4962

313.3411, 0.3112,
0.3821

 7.8863, 0.2894,
0.5350

372.0462, 0.3113,

 4.0223, 0.2741,

0.3789

0.5948

437.6605, 0.3115,
0.3762

■ 1.6860, 0.2459,
0.7541

■ 0.4146, 0.0000,
1.0000

■ 84.6800, 0.3087,
0.4139

■ 84.6800, 0.3087,
0.4139

■ 80.9222, 0.3070,
0.4490

■ 89.1931, 0.3102,
0.3814

■ 77.8786, 0.3053,
0.4853

■ 94.4998, 0.3116,
0.3522

■ 75.5039, 0.3037,
0.5205

100.0000, 0.3127,
0.3290

■ 73.7479, 0.3022,
0.5517

■ 72.5531, 0.3011,
0.5762

■ 71.8513, 0.3004,
0.5921

■ 71.5419, 0.3000,
0.5994

■ 71.5204, 0.3000,
0.6000

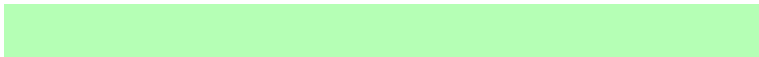
Harmonies

Analogous

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



84.6800, 0.3605, 0.4252



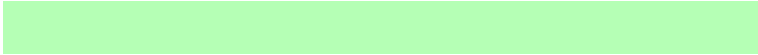
84.6800, 0.3087, 0.4139



84.6800, 0.2604, 0.3723

Triad

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



84.6800, 0.3087, 0.4139



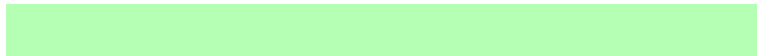
84.6800, 0.2283, 0.2497



84.6800, 0.4050, 0.3285

Complementary

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



84.6800, 0.3087, 0.4139



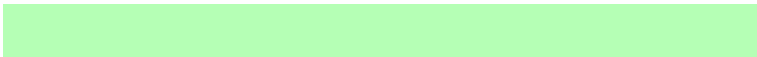
61.5183, 0.3162, 0.2566

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.



84.6800, 0.3635, 0.2896



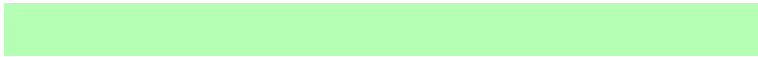
84.6800, 0.3087, 0.4139



84.6800, 0.2607, 0.2457

Square

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



84.6800, 0.3087, 0.4139



84.6800, 0.2168, 0.2744



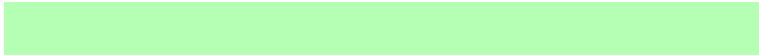
84.6800, 0.3095, 0.2602



84.6800, 0.4188, 0.3702

Rectangle

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



84.6800, 0.3087, 0.4139



84.6800, 0.2364, 0.3363



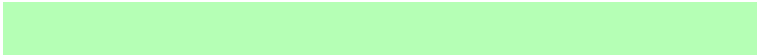
84.6800, 0.3095, 0.2602



84.6800, 0.3937, 0.3149

Sweetspot

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



84.6799, 0.3087, 0.4139



94.5142, 0.3116, 0.3522



96.1156, 0.3567, 0.4018



20.0537, 0.3114, 0.3562



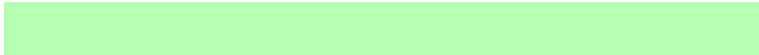
0.0000, 0.0000, 0.0000



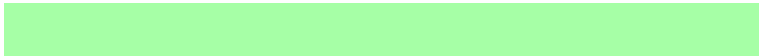
21.4041, 0.3127, 0.3290

Same Dimension

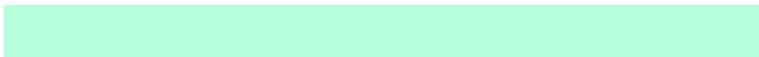
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6799, 0.3087, 0.4139



82.3465, 0.3077, 0.4346



86.4036, 0.2892, 0.3703



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.5998

Inverse Universe

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



61.5183, 0.3162, 0.2566



55.6573, 0.3169, 0.2420



59.3635, 0.3454, 0.2912



18.3002, 0.3138, 0.3056



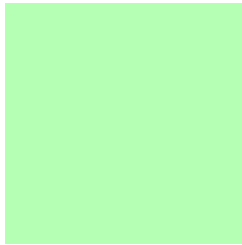
14.8750, 0.3211, 0.1543



1.4484, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 84.6800, 0.3087, 0.4139 looks on a white background.

Color Contrast Check

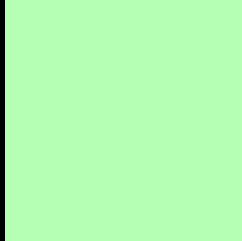
Large Text (above 18pt) WCAG AA × Fail

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 84.6800, 0.3087, 0.4139 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 84.6800, 0.3087, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 84.6800, 0.3087, 0.4139.

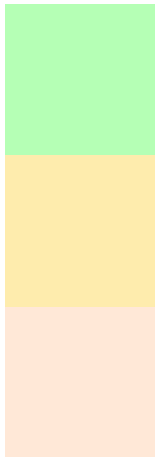


This preview shows how white text looks on a background with the Yxy color 84.6800, 0.3087, 0.4139.

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

84.6800, 0.3087, 0.4139

Protanopia

84.0789, 0.3662, 0.3927

Deuteranopia

83.8795, 0.3398, 0.3461



Tritanopia

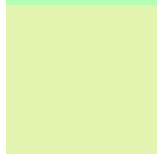
84.4259, 0.2853, 0.3154

Trichromacy



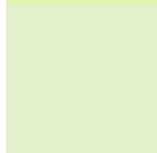
Original Color

84.6800, 0.3087, 0.4139



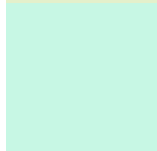
Protanomaly

83.5667, 0.3431, 0.4007



Deuteranomaly

83.1260, 0.3276, 0.3683



Tritanomaly

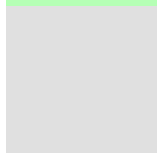
84.2651, 0.2938, 0.3496

Monochromacy



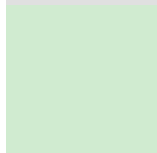
Original Color

84.6800, 0.3087, 0.4139



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3806, 0.3113, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6800, 0.3087, 0.4139 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(181, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 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(181, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 84.6800, 0.3087, 0.4139 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(181, 255, 181) }
```

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

```
.border{ border-color:rgb(181, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6800, 0.3087, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 181) }
```

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

```
.background{ background-color: rgb(181,  
255, 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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