

Converting Colors

Yxy(91.7047, 0.3200, 0.4470)

Have a look what the booklet for
Yxy(91.7047, 0.3200, 0.4470)
contains.

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Color

Yxy(84.2836, 0.3211, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFA1
RGB	184, 255, 161
RGB Percent	72%, 100%, 63%
CMY	0.2784, 0.0000, 0.3687
CMYK	0.28, 0.00, 0.37, 0.00
HSL	105°, 100%, 82%
HSV	105°, 37%, 100%
XYZ	61.9585, 84.2836, 46.7149
YIQ	223.0550, -12.1420, -44.2860

Conversions

Conversions Part 2

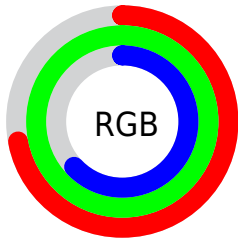
Format	Color
RYB	161, 255, 232
Decimal	12124065
CIELab	93.57, -38.76, 38.08
CIElCh	94, 54.337, 135.514
Yxy	84.2836, 0.3211, 0.4368
Android (android.graphics.Color)	4290314145 (0xFFB8FFA1)
YUV	223.0550, -30.5931, -34.2512
Hunter-Lab	91.8061, -40.1939, 34.0950

Details

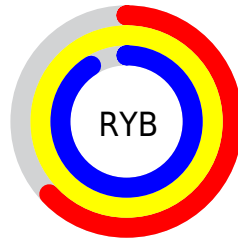
The Yxy color **84.2836, 0.3211, 0.4368** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.8607, 0.2983, 0.2321**, and the grayscale version is **74.0586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4070, 0.3267, 0.3671**, and **46.1380, 0.3211, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **81.2542, 0.3220, 0.4704**, and if you desaturate by 10%, it is **87.8185, 0.3194, 0.4043**.

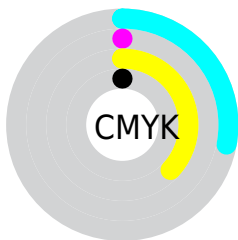
Distribution



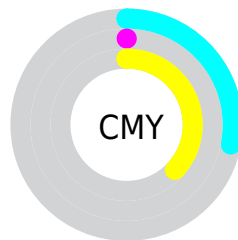
- Red (72%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (91%)



- Cyan (28%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2836, 0.3211, 0.4368 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 84.2836, 0.3211, 0.4368 by changing the saturation by 10% instead.

 84.2836, 0.3211,
0.4368


 84.2836, 0.3211,
0.4368


509.2545, 0.3191,
0.3856

 63.2496, 0.3210,
0.4487


 139.3718, 0.3208,
0.4188

 46.0432, 0.3207,
0.4635


 174.1948, 0.3206,
0.4119

 32.2799, 0.3198,
0.4822


214.3830, 0.3203,
0.4059

 21.5754, 0.3179,
0.5066

260.3207, 0.3201,
0.4008

 13.5452, 0.3139,
0.5396

312.3923, 0.3198,
0.3963

 7.8051, 0.3054,
0.5858

370.9822, 0.3196,

 3.9705, 0.2956,

0.3923

0.6739

436.4748, 0.3194,
0.3887

■ 1.6571, 0.2253,
0.7747

■ 0.3956, 0.0000,
1.0000

■ 84.2836, 0.3211,
0.4368

■ 84.2836, 0.3211,
0.4368

■ 81.2542, 0.3220,
0.4704

■ 87.8185, 0.3194,
0.4043

■ 78.7088, 0.3220,
0.5035

■ 91.8840, 0.3171,
0.3739

■ 76.6200, 0.3207,
0.5340

■ 96.5005, 0.3146,
0.3463

■ 74.9589, 0.3181,
0.5597

100.0000, 0.3127,
0.3290

■ 73.6926, 0.3145,
0.5788

■ 72.7823, 0.3101,
0.5905

■ 72.5573, 0.3087,
0.5931

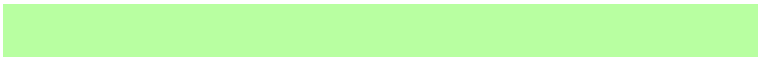
Harmonies

Analogous

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



84.2836, 0.3801, 0.4392



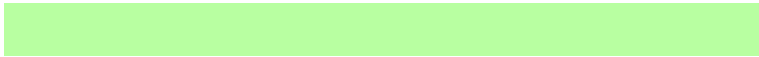
84.2836, 0.3211, 0.4368



84.2836, 0.2629, 0.3941

Triad

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



84.2836, 0.3211, 0.4368



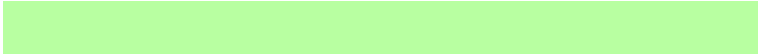
84.2836, 0.2100, 0.2412



84.2836, 0.4124, 0.3165

Complementary

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



84.2836, 0.3211, 0.4368



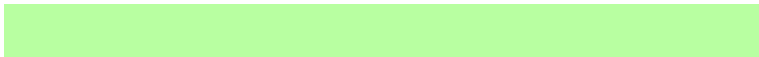
49.8607, 0.2983, 0.2321

Split Complementary

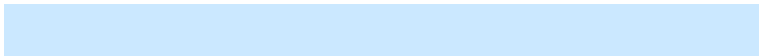
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2836, 0.3579, 0.2743



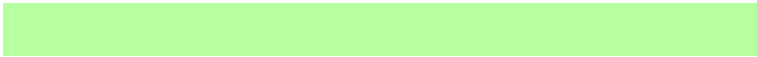
84.2836, 0.3211, 0.4368



84.2836, 0.2416, 0.2321

Square

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



84.2836, 0.3211, 0.4368



84.2836, 0.2027, 0.2744



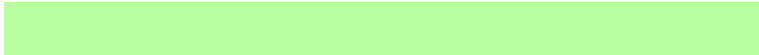
84.2836, 0.2942, 0.2443



84.2836, 0.4368, 0.3642

Rectangle

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



84.2836, 0.3211, 0.4368



84.2836, 0.2322, 0.3519



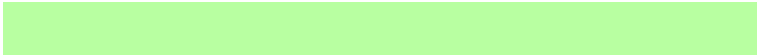
84.2836, 0.2942, 0.2443



84.2836, 0.3967, 0.3015

Sweetspot

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



84.2827, 0.3211, 0.4368



94.5243, 0.3157, 0.3574



81.2635, 0.3762, 0.4003



20.0978, 0.3160, 0.3611



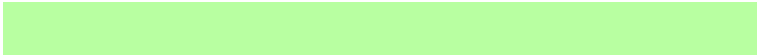
0.0000, 0.0000, 0.0000



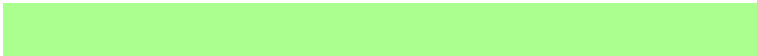
21.4041, 0.3127, 0.3290

Same Dimension

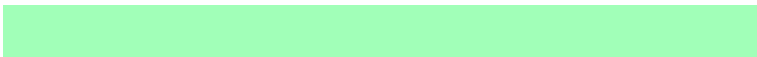
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2827, 0.3211, 0.4368



82.0720, 0.3219, 0.4607



82.5773, 0.2955, 0.4125



20.3828, 0.3153, 0.3533



37.9704, 0.3096, 0.5923



3.7453, 0.3172, 0.5863

Inverse Universe

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



49.8607, 0.2983, 0.2321



43.2240, 0.2945, 0.2132



52.5437, 0.3365, 0.2582



18.0633, 0.3099, 0.3053



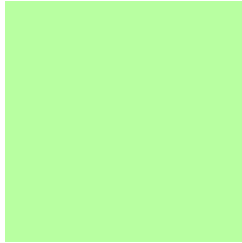
9.7422, 0.2595, 0.1203



0.9993, 0.2668, 0.1243

Previews

White Background



This preview shows how the Yxy color 84.2836, 0.3211, 0.4368 looks on a white background.

Color Contrast Check

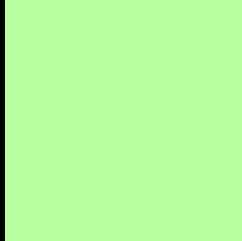
Large Text (above 18pt) WCAG AA × Fail

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 84.2836, 0.3211, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

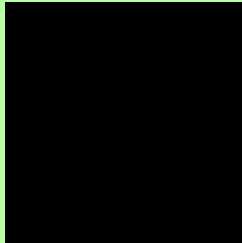
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

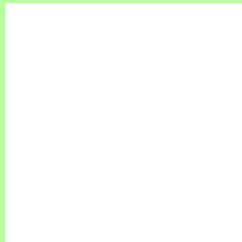
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2836, 0.3211, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 84.2836, 0.3211, 0.4368.

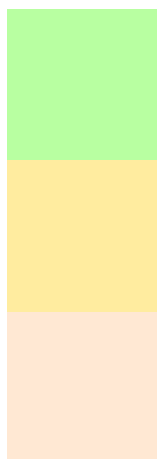


This preview shows how white text looks on a background with the Yxy color 84.2836, 0.3211, 0.4368.

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

84.2836, 0.3211, 0.4368

Protanopia

83.7541, 0.3759, 0.4063

Deuteranopia

83.6764, 0.3425, 0.3501



Tritanopia

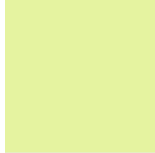
83.9795, 0.2859, 0.3144

Trichromacy



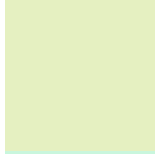
Original Color

84.2836, 0.3211, 0.4368



Protanomaly

83.2973, 0.3542, 0.4173



Deuteranomaly

82.8284, 0.3345, 0.3791



Tritanomaly

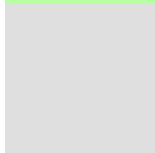
83.5495, 0.2989, 0.3563

Monochromacy



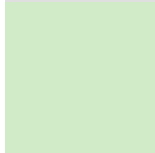
Original Color

84.2836, 0.3211, 0.4368



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1421, 0.3169, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2836, 0.3211, 0.4368 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(184, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 161)  
}
```

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(184, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 84.2836, 0.3211, 0.4368 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(184, 255, 161) }
```

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

```
.border{ border-color:rgb(184, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2836, 0.3211, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 161) }
```

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

```
.background{ background-color: rgb(184,  
255, 161) }
```

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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