

Converting Colors

Yxy(97.4360, 0.3159, 0.4512)

Have a look what the booklet for
Yxy(97.4360, 0.3159, 0.4512)
contains.

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Color

Yxy(84.0241, 0.3177, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFA4
RGB	181, 255, 164
RGB Percent	71%, 100%, 64%
CMY	0.2901, 0.0000, 0.3568
CMYK	0.29, 0.00, 0.36, 0.00
HSL	109°, 100%, 82%
HSV	109°, 36%, 100%
XYZ	61.5221, 84.0241, 48.1023
YIQ	222.5000, -14.8930, -43.9890

Conversions

Conversions Part 2

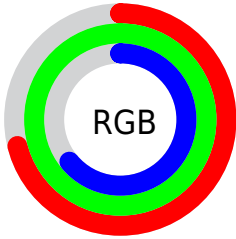
Format	Color
RYB	164, 255, 238
Decimal	11927460
CIELab	93.46, -39.30, 36.40
CIElCh	93, 53.569, 137.191
Yxy	84.0241, 0.3177, 0.4339
Android (android.graphics.Color)	4290117540 (0xFFB5FFA4)
YUV	222.5000, -28.8405, -36.3955
Hunter-Lab	91.6647, -40.6101, 33.0520

Details

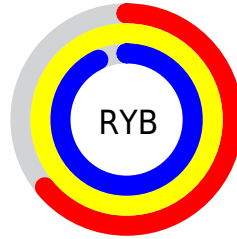
The Yxy color **84.0241, 0.3177, 0.4339** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.9500, 0.3031, 0.2365**, and the grayscale version is **73.6412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0380, 0.3230, 0.3642**, and **45.9715, 0.3170, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **80.8738, 0.3180, 0.4681**, and if you desaturate by 10%, it is **87.7392, 0.3168, 0.4011**.

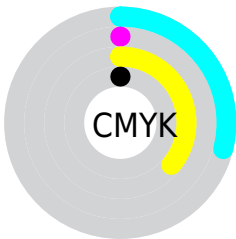
Distribution



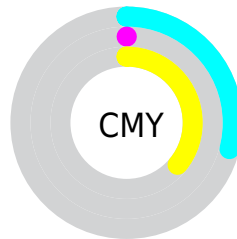
- Red (71%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0241, 0.3177, 0.4339 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 84.0241, 0.3177, 0.4339 by changing the saturation by 10% instead.


 84.0241, 0.3177,
0.4339

 84.0241, 0.3177,
0.4339


508.3933, 0.3172,
0.3840

 63.0353, 0.3174,
0.4455


 139.0089, 0.3179,
0.4164

 45.8698, 0.3167,
0.4600


 173.7737, 0.3178,
0.4096

 32.1431, 0.3154,
0.4784


213.8993, 0.3178,
0.4038

 21.4708, 0.3131,
0.5024

259.7701, 0.3177,
0.3988

 13.4686, 0.3087,
0.5351

311.7705, 0.3175,
0.3944

 7.7520, 0.2997,
0.5811

370.2849, 0.3174,

 3.9367, 0.2873,

0.3905

0.6649

435.6977, 0.3173,
0.3871

■ 1.6382, 0.2181,
0.7819

■ 0.3832, 0.0000,
1.0000

■ 84.0241, 0.3177,
0.4339

■ 84.0241, 0.3177,
0.4339

■ 80.8738, 0.3180,
0.4681

■ 87.7392, 0.3168,
0.4011

■ 78.2501, 0.3175,
0.5021

■ 92.0339, 0.3154,
0.3707

■ 76.1265, 0.3160,
0.5336

■ 96.9358, 0.3137,
0.3432

■ 74.4701, 0.3136,
0.5604

99.9999, 0.3127,
0.3290

■ 73.2436, 0.3104,
0.5804

■ 72.4033, 0.3068,
0.5925

■ 72.1406, 0.3053,
0.5958

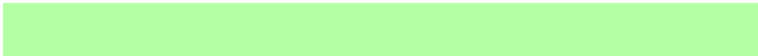
Harmonies

Analogous

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



84.0241, 0.3764, 0.4387



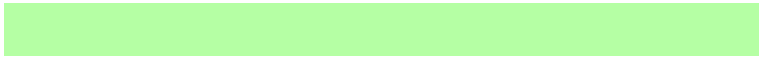
84.0241, 0.3177, 0.4339



84.0241, 0.2607, 0.3900

Triad

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



84.0241, 0.3177, 0.4339



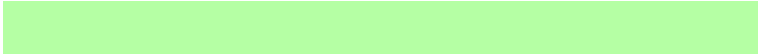
84.0241, 0.2123, 0.2412



84.0241, 0.4134, 0.3193

Complementary

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



84.0241, 0.3177, 0.4339



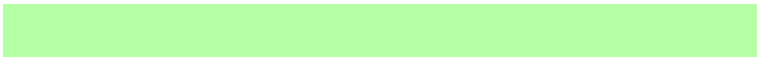
51.9500, 0.3031, 0.2365

Split Complementary

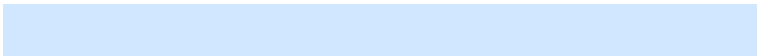
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0241, 0.3608, 0.2770



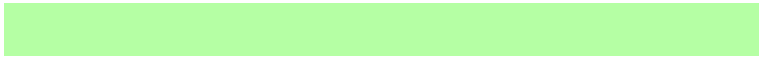
84.0241, 0.3177, 0.4339



84.0241, 0.2449, 0.2333

Square

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



84.0241, 0.3177, 0.4339



84.0241, 0.2037, 0.2727



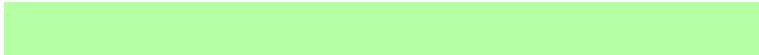
84.0241, 0.2979, 0.2465



84.0241, 0.4354, 0.3665

Rectangle

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



84.0241, 0.3177, 0.4339



84.0241, 0.2311, 0.3480



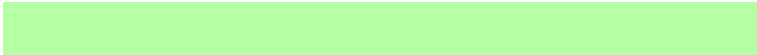
84.0241, 0.2979, 0.2465



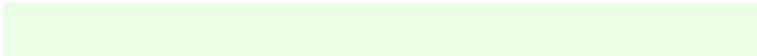
84.0241, 0.3984, 0.3043

Sweetspot

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



84.0277, 0.3177, 0.4339



94.2518, 0.3146, 0.3575



84.3947, 0.3725, 0.4021



20.0333, 0.3149, 0.3612



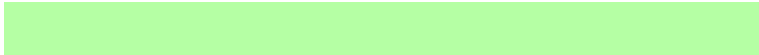
0.0000, 0.0000, 0.0000



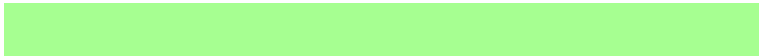
21.4041, 0.3127, 0.3290

Same Dimension

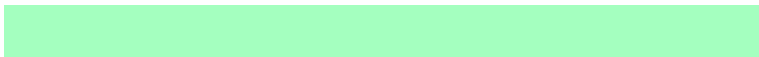
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0277, 0.3177, 0.4339



81.6664, 0.3180, 0.4589



83.1889, 0.2937, 0.4038



20.3315, 0.3144, 0.3534



37.7416, 0.3060, 0.5952



3.7163, 0.3127, 0.5899

Inverse Universe

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



51.9500, 0.3031, 0.2365



45.1544, 0.3003, 0.2176



53.4003, 0.3394, 0.2647



18.1186, 0.3108, 0.3054



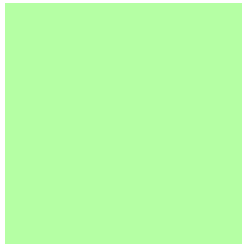
10.7894, 0.2739, 0.1282



1.0929, 0.2795, 0.1314

Previews

White Background



This preview shows how the Yxy color 84.0241, 0.3177, 0.4339 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 84.0241, 0.3177, 0.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

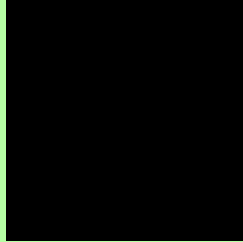
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

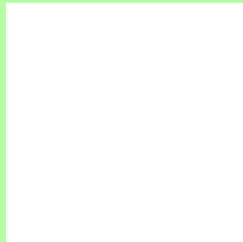
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0241, 0.3177, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 84.0241, 0.3177, 0.4339.

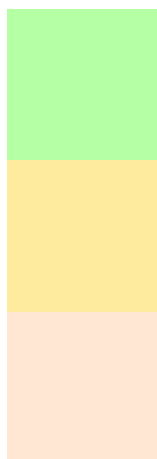


This preview shows how white text looks on a background with the Yxy color 84.0241, 0.3177, 0.4339.

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

84.0241, 0.3177, 0.4339

Protanopia

83.1110, 0.3776, 0.4074

Deuteranopia

83.1150, 0.3427, 0.3491



Tritanopia

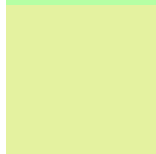
83.6859, 0.2847, 0.3143

Trichromacy



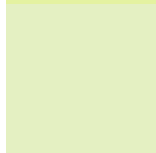
Original Color

84.0241, 0.3177, 0.4339



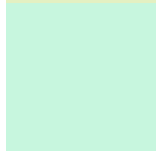
Protanomaly

82.5363, 0.3538, 0.4166



Deuteranomaly

82.7092, 0.3332, 0.3781



Tritanomaly

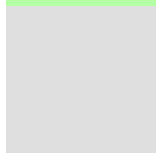
83.3276, 0.2972, 0.3553

Monochromacy



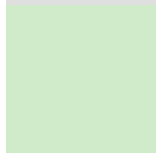
Original Color

84.0241, 0.3177, 0.4339



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0908, 0.3150, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0241, 0.3177, 0.4339 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 84.0241, 0.3177, 0.4339 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, 164) }
```

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

```
.border{ border-color:rgb(181, 255, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0241, 0.3177, 0.4339 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, 164) }
```

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

```
.background{ background-color: rgb(181,  
255, 164) }
```

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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