

Converting Colors

$Yxy(84.3020, 0.3170, 0.4302)$

Have a look what the booklet for
Yxy(84.3020, 0.3170, 0.4302)
contains.

Yxy(84.2551, 0.3167, 0.4302)	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(84.2551, 0.3167, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	B6FFA7
RGB	182, 255, 167
RGB Percent	71%, 100%, 65%
CMY	0.2863, 0.0000, 0.3450
CMYK	0.29, 0.00, 0.34, 0.00
HSL	110°, 100%, 83%
HSV	110°, 34%, 100%
XYZ	62.0260, 84.2551, 49.5699
YIQ	223.1410, -15.2600, -42.8440

Conversions

Conversions Part 2

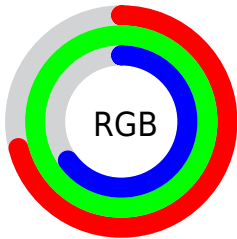
Format	Color
RYB	167, 255, 240
Decimal	11992999
CIELab	93.56, -38.55, 35.04
CIElCh	94, 52.100, 137.732
Yxy	84.2551, 0.3167, 0.4302
Android (android.graphics.Color)	4290183079 (0xFFB6FFA7)
YUV	223.1410, -27.6775, -36.0807
Hunter-Lab	91.7906, -40.0150, 32.2349

Details

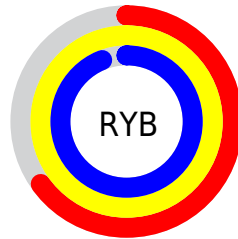
The Yxy color **84.2551, 0.3167, 0.4302** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.4059, 0.3047, 0.2399**, and the grayscale version is **74.1047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3730, 0.3219, 0.3611**, and **46.1151, 0.3159, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **81.0171, 0.3169, 0.4645**, and if you desaturate by 10%, it is **88.0673, 0.3160, 0.3975**.

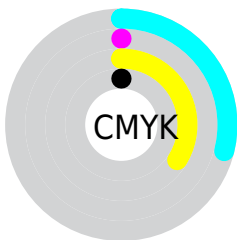
Distribution



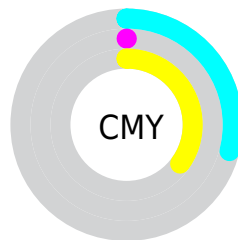
- Red (71%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (94%)



- Cyan (29%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2551, 0.3167, 0.4302 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 84.2551, 0.3167, 0.4302 by changing the saturation by 10% instead.


 84.2551, 0.3167,
0.4302


 84.2551, 0.3167,
0.4302


509.1600, 0.3165,
0.3821

 63.2261, 0.3163,
0.4414


 139.3320, 0.3170,
0.4133

 46.0241, 0.3156,
0.4553


 174.1486, 0.3170,
0.4068

 32.2649, 0.3144,
0.4730


214.3299, 0.3169,
0.4012

 21.5639, 0.3121,
0.4963

260.2602, 0.3169,
0.3964

 13.5368, 0.3079,
0.5278

312.3240, 0.3168,
0.3921

 7.7992, 0.2995,
0.5725


370.9056, 0.3167,


 3.9667, 0.2863,


0.3884


0.6498


436.3895, 0.3166,
0.3851

 1.6550, 0.2269,
0.7731

 0.3942, 0.0000,
1.0000

 84.2551, 0.3167,
0.4302


 84.2551, 0.3167,
0.4302


 81.0171, 0.3169,
0.4645


 88.0673, 0.3160,
0.3975

 78.3269, 0.3163,
0.4988

 92.4821, 0.3148,
0.3673

 76.1528, 0.3149,
0.5309

 97.5235, 0.3134,
0.3402

 74.4608, 0.3126,
0.5585

100.0000, 0.3127,
0.3290

■ 73.2126, 0.3096,
0.5793

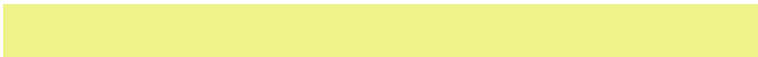
■ 72.3635, 0.3062,
0.5922

■ 72.0407, 0.3044,
0.5965

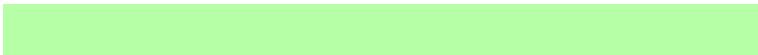
Harmonies

Analogous

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



84.2551, 0.3739, 0.4359



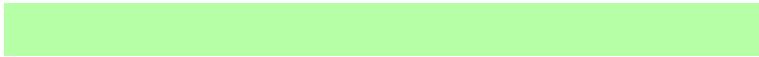
84.2551, 0.3167, 0.4302



84.2551, 0.2613, 0.3871

Triad

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



84.2551, 0.3167, 0.4302



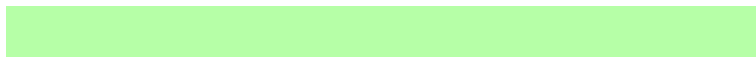
84.2551, 0.2152, 0.2431



84.2551, 0.4112, 0.3206

Complementary

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



84.2551, 0.3167, 0.4302



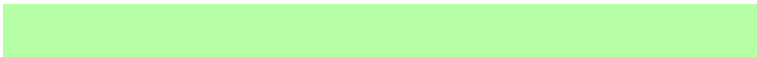
53.4059, 0.3047, 0.2399

Split Complementary

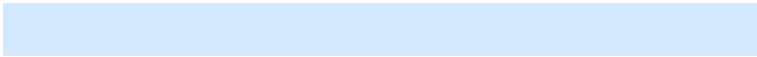
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2551, 0.3606, 0.2790



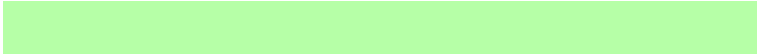
84.2551, 0.3167, 0.4302



84.2551, 0.2474, 0.2358

Square

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



84.2551, 0.3167, 0.4302



84.2551, 0.2063, 0.2736



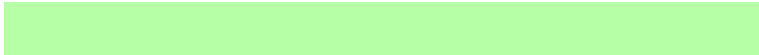
84.2551, 0.2994, 0.2489



84.2551, 0.4320, 0.3667

Rectangle

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



84.2551, 0.3167, 0.4302



84.2551, 0.2327, 0.3465



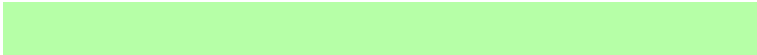
84.2551, 0.2994, 0.2489



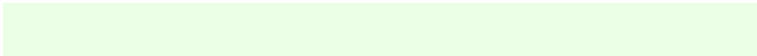
84.2551, 0.3968, 0.3059

Sweetspot

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



84.2545, 0.3167, 0.4302



94.6693, 0.3142, 0.3547



85.7104, 0.3699, 0.4011



20.1138, 0.3144, 0.3586



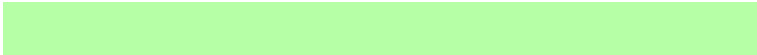
0.0000, 0.0000, 0.0000



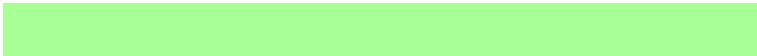
21.4041, 0.3127, 0.3290

Same Dimension

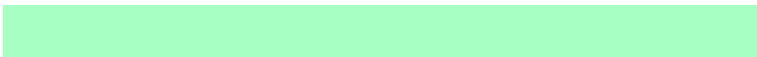
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2545, 0.3167, 0.4302



82.0849, 0.3169, 0.4524



83.6748, 0.2935, 0.3990



20.3164, 0.3141, 0.3534



37.6858, 0.3051, 0.5959



3.7087, 0.3115, 0.5909

Inverse Universe

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



53.4059, 0.3047, 0.2399



47.2217, 0.3026, 0.2232



54.4653, 0.3395, 0.2682



18.1350, 0.3111, 0.3054



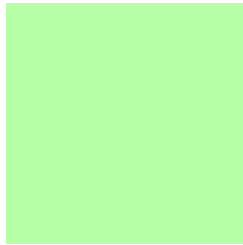
11.1184, 0.2782, 0.1306



1.1220, 0.2833, 0.1334

Previews

White Background



This preview shows how the Yxy color 84.2551, 0.3167, 0.4302 looks on a white background.

Color Contrast Check

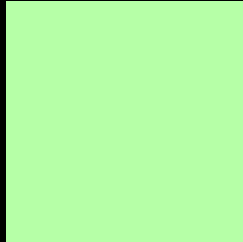
Large Text (above 18pt) WCAG AA × Fail

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 84.2551, 0.3167, 0.4302 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 84.2551, 0.3167, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 84.2551, 0.3167, 0.4302.

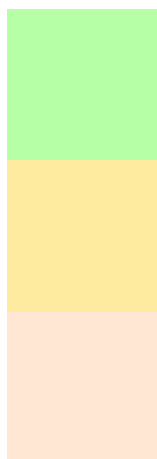


This preview shows how white text looks on a background with the Yxy color 84.2551, 0.3167, 0.4302.

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

84.2551, 0.3167, 0.4302

Protanopia

83.2147, 0.3757, 0.4044

Deuteranopia

83.1653, 0.3420, 0.3481



Tritanopia

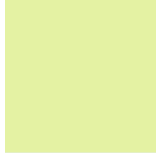
83.8322, 0.2853, 0.3143

Trichromacy



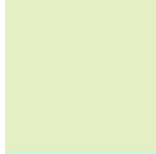
Original Color

84.2551, 0.3167, 0.4302



Protanomaly

82.6426, 0.3520, 0.4134



Deuteranomaly

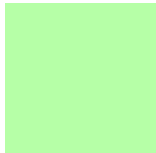
82.7997, 0.3319, 0.3759



Tritanomaly

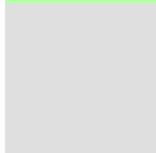
83.5186, 0.2972, 0.3541

Monochromacy



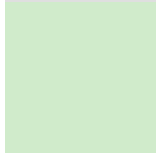
Original Color

84.2551, 0.3167, 0.4302



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1384, 0.3144, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2551, 0.3167, 0.4302 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(182, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 167)  
}
```

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(182, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 84.2551, 0.3167, 0.4302 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(182, 255, 167) }
```

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

```
.border{ border-color:rgb(182, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2551, 0.3167, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 167) }
```

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

```
.background{ background-color: rgb(182,  
255, 167) }
```

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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