

Converting Colors

$Yxy(93.2761, 0.3167, 0.4416)$

Have a look what the booklet for
Yxy(93.2761, 0.3167, 0.4416)
contains.

Yxy(84.5004, 0.3180, 0.4299)	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(84.5004, 0.3180, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFA7
RGB	184, 255, 167
RGB Percent	72%, 100%, 65%
CMY	0.2783, 0.0000, 0.3453
CMYK	0.28, 0.00, 0.35, 0.00
HSL	108°, 100%, 83%
HSV	108°, 35%, 100%
XYZ	62.5055, 84.5004, 49.5523
YIQ	223.7390, -14.0680, -42.4200

Conversions

Conversions Part 2

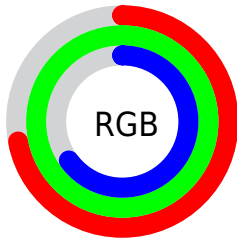
Format	Color
RYB	167, 255, 238
Decimal	12124071
CIELab	93.67, -37.90, 35.24
CIELCh	94, 51.752, 137.078
Yxy	84.5004, 0.3180, 0.4299
Android (android.graphics.Color)	4290314151 (0xFFB8FFA7)
YUV	223.7390, -27.9723, -34.8511
Hunter-Lab	91.9241, -39.4927, 32.3862

Details

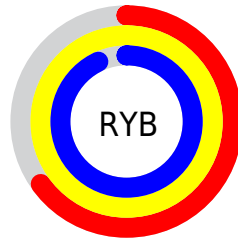
The Yxy color **84.5004, 0.3180, 0.4299** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.0040, 0.3030, 0.2394**, and the grayscale version is **74.5606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7250, 0.3231, 0.3610**, and **46.2702, 0.3174, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **81.2947, 0.3185, 0.4639**, and if you desaturate by 10%, it is **88.2671, 0.3169, 0.3974**.

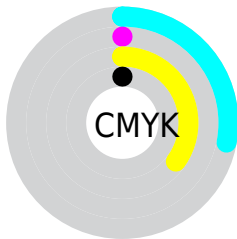
Distribution



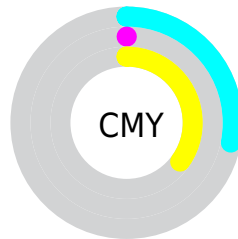
- Red (72%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5004, 0.3180, 0.4299 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 84.5004, 0.3180, 0.4299 by changing the saturation by 10% instead.


 84.5004, 0.3180,
0.4299


 84.5004, 0.3180,
0.4299


509.9735, 0.3172,
0.3820

 63.4287, 0.3178,
0.4410


 139.6749, 0.3181,
0.4131

 46.1881, 0.3172,
0.4549


 174.5465, 0.3180,
0.4066

 32.3943, 0.3162,
0.4725


214.7869, 0.3179,
0.4010

 21.6628, 0.3142,
0.4955

260.7803, 0.3177,
0.3962

 13.6094, 0.3103,
0.5267

312.9113, 0.3176,
0.3920

 7.8495, 0.3025,
0.5709


371.5643, 0.3175,


 3.9988, 0.2900,

0.3883

0.6471


437.1235, 0.3173,
0.3850


 1.6729, 0.2347,
0.7653


 0.4060, 0.0000,
1.0000


 84.5004, 0.3180,
0.4299


 84.5004, 0.3180,
0.4299


 81.2947, 0.3185,
0.4639


 88.2671, 0.3169,
0.3974

 78.6137, 0.3181,
0.4979

 92.6103, 0.3154,
0.3674

 76.4315, 0.3168,
0.5298

 97.5565, 0.3136,
0.3403

 74.7160, 0.3145,
0.5572

100.0000, 0.3127,
0.3290

■ 73.4311, 0.3114,
0.5781

■ 72.5350, 0.3076,
0.5911

■ 72.1849, 0.3057,
0.5955

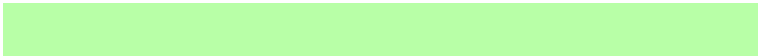
Harmonies

Analogous

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



84.5004, 0.3747, 0.4348



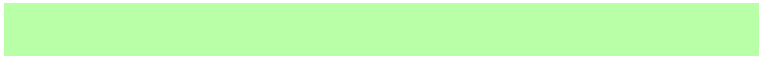
84.5004, 0.3180, 0.4299



84.5004, 0.2628, 0.3878

Triad

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



84.5004, 0.3180, 0.4299



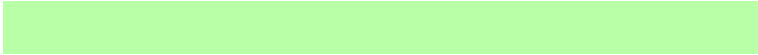
84.5004, 0.2154, 0.2442



84.5004, 0.4096, 0.3197

Complementary

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



84.5004, 0.3180, 0.4299



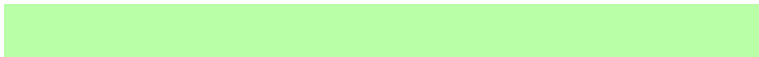
53.0040, 0.3030, 0.2394

Split Complementary

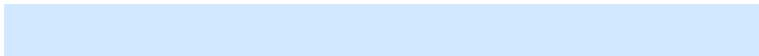
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5004, 0.3589, 0.2786



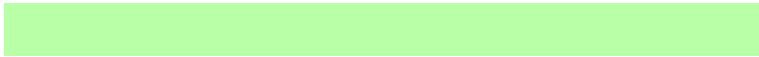
84.5004, 0.3180, 0.4299



84.5004, 0.2470, 0.2363

Square

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



84.5004, 0.3180, 0.4299



84.5004, 0.2071, 0.2750



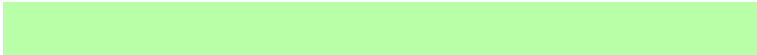
84.5004, 0.2983, 0.2490



84.5004, 0.4310, 0.3655

Rectangle

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



84.5004, 0.3180, 0.4299



84.5004, 0.2341, 0.3477



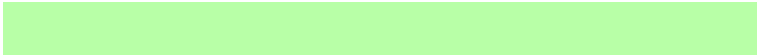
84.5004, 0.2983, 0.2490



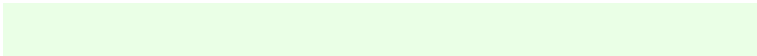
84.5004, 0.3952, 0.3051

Sweetspot

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



84.5035, 0.3180, 0.4299



94.7734, 0.3146, 0.3547



84.8435, 0.3704, 0.3998



20.1388, 0.3148, 0.3586



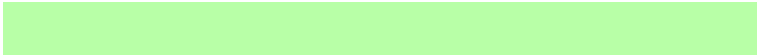
0.0000, 0.0000, 0.0000



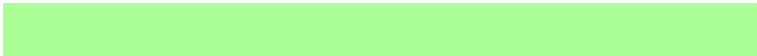
21.4041, 0.3127, 0.3290

Same Dimension

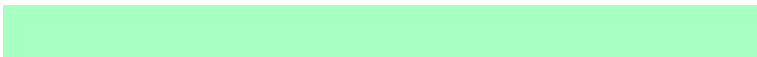
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5035, 0.3180, 0.4299



82.3648, 0.3184, 0.4518



83.5974, 0.2942, 0.4009



20.3377, 0.3145, 0.3534



37.7661, 0.3064, 0.5949



3.7195, 0.3132, 0.5895

Inverse Universe

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



53.0040, 0.3030, 0.2394



46.7902, 0.3005, 0.2225



54.5153, 0.3383, 0.2668



18.1118, 0.3107, 0.3054



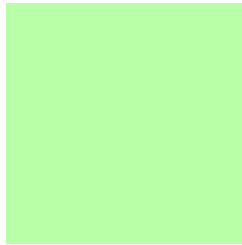
10.6566, 0.2721, 0.1273



1.0811, 0.2780, 0.1305

Previews

White Background



This preview shows how the Yxy color 84.5004, 0.3180, 0.4299 looks on a white background.

Color Contrast Check

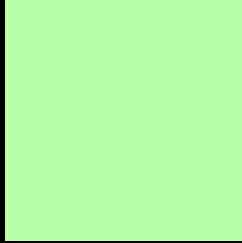
Large Text (above 18pt) WCAG AA × Fail

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 84.5004, 0.3180, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

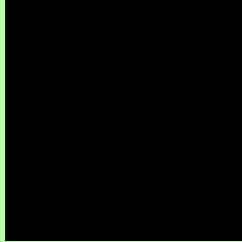
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5004, 0.3180, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 84.5004, 0.3180, 0.4299.

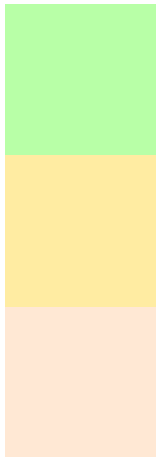


This preview shows how white text looks on a background with the Yxy color 84.5004, 0.3180, 0.4299.

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

84.5004, 0.3180, 0.4299

Protanopia

83.8595, 0.3740, 0.4034

Deuteranopia

83.7267, 0.3418, 0.3491



Tritanopia

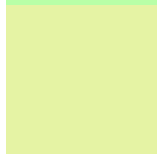
84.1276, 0.2865, 0.3144

Trichromacy



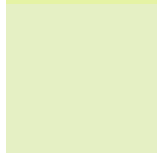
Original Color

84.5004, 0.3180, 0.4299



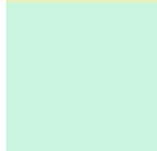
Protanomaly

83.4395, 0.3518, 0.4131



Deuteranomaly

82.9637, 0.3326, 0.3758



Tritanomaly

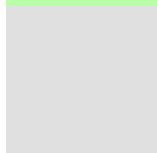
83.7958, 0.2984, 0.3540

Monochromacy



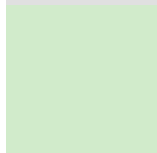
Original Color

84.5004, 0.3180, 0.4299



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2838, 0.3151, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5004, 0.3180, 0.4299 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 84.5004, 0.3180, 0.4299 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, 167) }
```

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

```
.border{ border-color:rgb(184, 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(184, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5004, 0.3180, 0.4299 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, 167) }
```

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

```
.background{ background-color: rgb(184,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor