

Converting Colors

Yxy(83.9906, 0.3042, 0.4130)

Have a look what the booklet for
Yxy(83.9906, 0.3042, 0.4130)
contains.

Yxy(84.0529, 0.3042, 0.4124)	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(84.0529, 0.3042, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFB7
RGB	175, 255, 183
RGB Percent	69%, 100%, 72%
CMY	0.3134, 0.0000, 0.2823
CMYK	0.31, 0.00, 0.28, 0.00
HSL	126°, 100%, 84%
HSV	126°, 31%, 100%
XYZ	62.0002, 84.0529, 57.7609
YIQ	222.8720, -24.5680, -39.3520

Conversions

Conversions Part 2

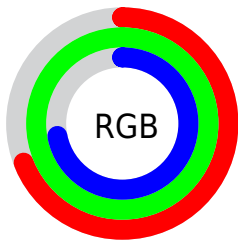
Format	Color
RYB	175, 248, 255
Decimal	11534263
CIELab	93.47, -38.24, 26.84
CIELCh	93, 46.719, 144.928
Yxy	84.0529, 0.3042, 0.4124
Android (android.graphics.Color)	4289724343 (0xFFAFFFB7)
YUV	222.8720, -19.6569, -41.9837
Hunter-Lab	91.6804, -39.7273, 26.8221

Details

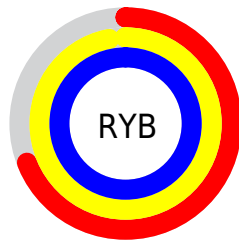
The Yxy color **84.0529, 0.3042, 0.4124** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.6680, 0.3225, 0.2578**, and the grayscale version is **73.8654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9078, 0.3077, 0.3451**, and **45.9929, 0.3008, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **80.4978, 0.3016, 0.4446**, and if you desaturate by 10%, it is **88.3283, 0.3069, 0.3826**.

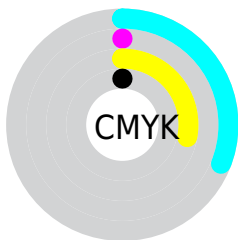
Distribution



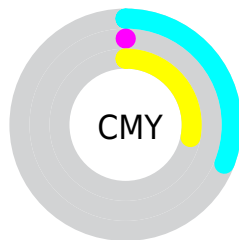
- Red (69%)
- Green (100%)
- Blue (72%)



- Red (69%)
- Yellow (97%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0529, 0.3042, 0.4124 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 84.0529, 0.3042, 0.4124 by changing the saturation by 10% instead.


 84.0529, 0.3042,
0.4124

 84.0529, 0.3042,
0.4124


508.4889, 0.3091,
0.3728

 63.0591, 0.3028,
0.4217


 139.0492, 0.3061,
0.3985

 45.8890, 0.3010,
0.4332

173.8204, 0.3068,
0.3931

 32.1583, 0.2985,
0.4479


213.9530, 0.3074,
0.3885

 21.4824, 0.2949,
0.4674

259.8312, 0.3078,
0.3845

 13.4771, 0.2893,
0.4942

311.8396, 0.3082,
0.3810

 7.7579, 0.2801,
0.5331


370.3623, 0.3086,


 3.9404, 0.2629,


0.3780


0.5936

435.7840, 0.3089,
0.3752


 1.6403, 0.2280,
0.7720


 0.3845, 0.0000,
1.0000

 84.0529, 0.3042,
0.4124


 84.0529, 0.3042,
0.4124


 80.4978, 0.3016,
0.4446

 88.3283, 0.3069,
0.3826

 77.6134, 0.2994,
0.4781

 93.3494, 0.3097,
0.3557

 75.3605, 0.2977,
0.5111

 99.1533, 0.3124,
0.3319

 73.6914, 0.2968,
0.5414

99.9939, 0.3127,
0.3290

■ 72.5517, 0.2968,
0.5666

■ 71.8765, 0.2976,
0.5849

■ 71.5855, 0.2985,
0.5947

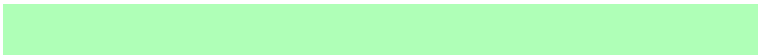
Harmonies

Analogous

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



84.0529, 0.3568, 0.4266



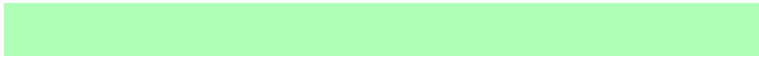
84.0529, 0.3042, 0.4124



84.0529, 0.2564, 0.3683

Triad

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



84.0529, 0.3042, 0.4124



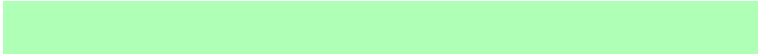
84.0529, 0.2294, 0.2478



84.0529, 0.4083, 0.3319

Complementary

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



84.0529, 0.3042, 0.4124



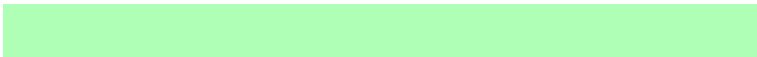
58.6680, 0.3225, 0.2578

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.



84.0529, 0.3683, 0.2922



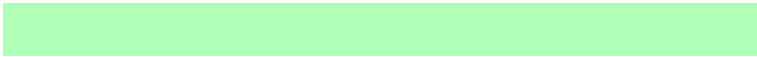
84.0529, 0.3042, 0.4124



84.0529, 0.2638, 0.2455

Square

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



84.0529, 0.3042, 0.4124



84.0529, 0.2160, 0.2709



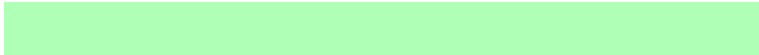
84.0529, 0.3141, 0.2615



84.0529, 0.4196, 0.3739

Rectangle

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



84.0529, 0.3042, 0.4124



84.0529, 0.2333, 0.3318



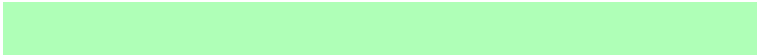
84.0529, 0.3141, 0.2615



84.0529, 0.3977, 0.3181

Sweetspot

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



84.0564, 0.3042, 0.4124



94.6436, 0.3103, 0.3498



94.6292, 0.3557, 0.4088



20.0853, 0.3099, 0.3535



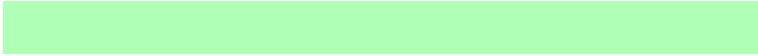
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

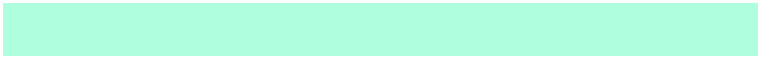
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0564, 0.3042, 0.4124



81.6159, 0.3025, 0.4337



85.8946, 0.2841, 0.3664



20.1975, 0.3102, 0.3511



37.4177, 0.2981, 0.5933



3.6525, 0.2945, 0.5802

Inverse Universe

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



58.6680, 0.3225, 0.2578



52.3637, 0.3249, 0.2430



56.5216, 0.3546, 0.2947



18.2675, 0.3153, 0.3079



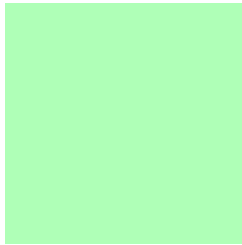
14.0976, 0.3477, 0.1689



1.3813, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 84.0529, 0.3042, 0.4124 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 84.0529, 0.3042, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

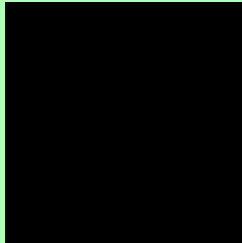
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

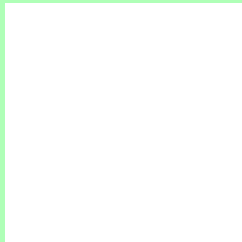
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0529, 0.3042, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 84.0529, 0.3042, 0.4124.

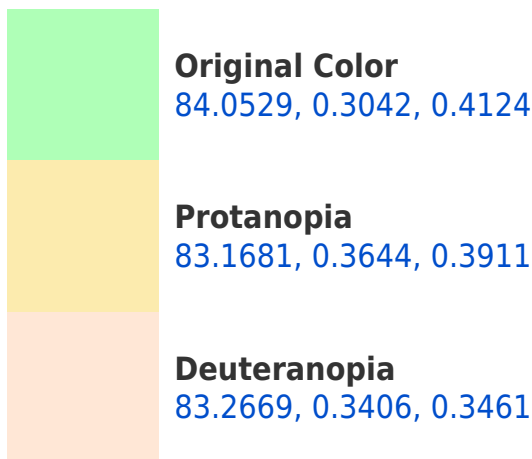


This preview shows how white text looks on a background with the Yxy color 84.0529, 0.3042, 0.4124.

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





Tritanopia

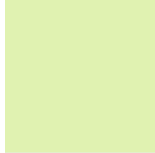
83.9897, 0.2836, 0.3153

Trichromacy



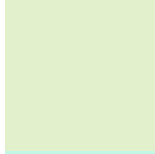
Original Color

84.0529, 0.3042, 0.4124



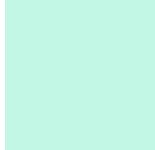
Protanomaly

82.5259, 0.3406, 0.3991



Deuteranomaly

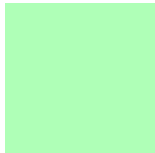
82.8007, 0.3262, 0.3685



Tritanomaly

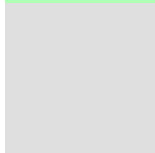
83.7808, 0.2909, 0.3486

Monochromacy



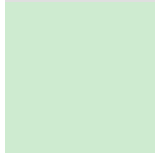
Original Color

84.0529, 0.3042, 0.4124



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0925, 0.3100, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0529, 0.3042, 0.4124 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(175, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 183)  
}
```

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(175, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 84.0529, 0.3042, 0.4124 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(175, 255, 183) }
```

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

```
.border{ border-color:rgb(175, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0529, 0.3042, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 183) }
```

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

```
.background{ background-color: rgb(175,  
255, 183) }
```

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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