

Converting Colors

$Yxy(84.5276, 0.3152, 0.4254)$

Have a look what the booklet for
Yxy(84.5276, 0.3152, 0.4254)
contains.

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Color

Yxy(84.5276, 0.3152, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFAB
RGB	183, 255, 171
RGB Percent	72%, 100%, 67%
CMY	0.2825, 0.0000, 0.3294
CMYK	0.28, 0.00, 0.33, 0.00
HSL	111°, 100%, 84%
HSV	111°, 33%, 100%
XYZ	62.6307, 84.5276, 51.5432
YIQ	223.8960, -15.9480, -41.3880

Conversions

Conversions Part 2

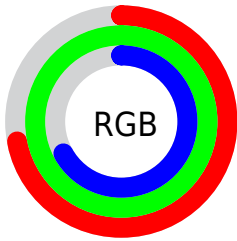
Format	Color
RYB	171, 255, 243
Decimal	12058539
CIELab	93.68, -37.66, 33.23
CIELCh	94, 50.223, 138.574
Yxy	84.5276, 0.3152, 0.4254
Android (android.graphics.Color)	4290248619 (0xFFB7FFAB)
YUV	223.8960, -26.0777, -35.8658
Hunter-Lab	91.9389, -39.2951, 31.1178

Details

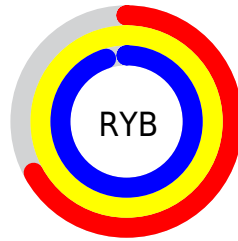
The Yxy color **84.5276, 0.3152, 0.4254** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.4110, 0.3071, 0.2445**, and the grayscale version is **74.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5913, 0.3195, 0.3570**, and **46.2854, 0.3142, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **81.1653, 0.3151, 0.4598**, and if you desaturate by 10%, it is **88.4828, 0.3148, 0.3928**.

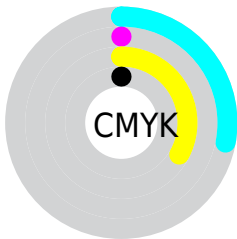
Distribution



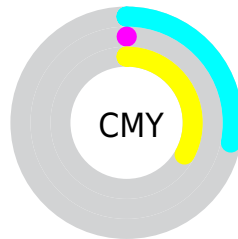
- Red (72%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (95%)



- Cyan (28%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5276, 0.3152, 0.4254 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 84.5276, 0.3152, 0.4254 by changing the saturation by 10% instead.


 84.5276, 0.3152,
0.4254

 84.5276, 0.3152,
0.4254


510.0636, 0.3155,
0.3796

 63.4511, 0.3147,
0.4361

 139.7130, 0.3156,
0.4093

 46.2063, 0.3140,
0.4493


174.5907, 0.3157,
0.4031

 32.4086, 0.3127,
0.4661


214.8375, 0.3157,
0.3978

 21.6738, 0.3105,
0.4883

260.8380, 0.3157,
0.3932

 13.6174, 0.3065,
0.5184

312.9764, 0.3157,
0.3892

 7.8551, 0.2986,
0.5613


371.6373, 0.3156,


 4.0023, 0.2847,


0.3856


0.6315


437.2049, 0.3156,
0.3825


 1.6749, 0.2369,
0.7631


 0.4073, 0.0000,
1.0000


 84.5276, 0.3152,
0.4254


 84.5276, 0.3152,
0.4254

 81.1653, 0.3151,
0.4598


 88.4828, 0.3148,
0.3928

 78.3830, 0.3144,
0.4946

 93.0759, 0.3140,
0.3630

 76.1424, 0.3130,
0.5275

 98.3274, 0.3130,
0.3362

 74.4075, 0.3109,
0.5561

100.0000, 0.3127,
0.3290

■ 73.1378, 0.3082,
0.5780

■ 72.2863, 0.3052,
0.5919

■ 71.9000, 0.3033,
0.5974

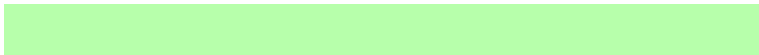
Harmonies

Analogous

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



84.5276, 0.3706, 0.4323



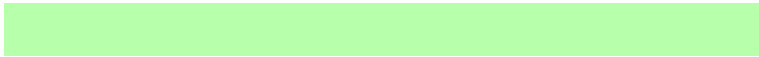
84.5276, 0.3152, 0.4254



84.5276, 0.2619, 0.3833

Triad

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



84.5276, 0.3152, 0.4254



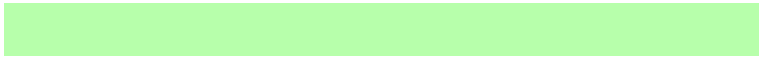
84.5276, 0.2190, 0.2456



84.5276, 0.4085, 0.3223

Complementary

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



84.5276, 0.3152, 0.4254



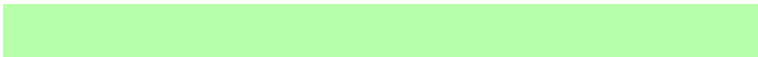
55.4110, 0.3071, 0.2445

Split Complementary

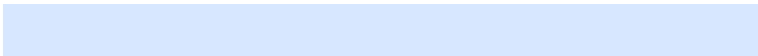
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5276, 0.3605, 0.2817



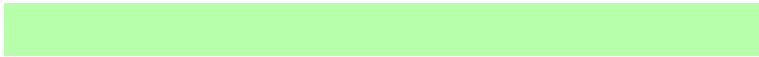
84.5276, 0.3152, 0.4254



84.5276, 0.2509, 0.2389

Square

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



84.5276, 0.3152, 0.4254



84.5276, 0.2098, 0.2746



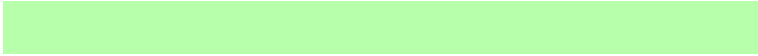
84.5276, 0.3016, 0.2522



84.5276, 0.4277, 0.3670

Rectangle

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



84.5276, 0.3152, 0.4254



84.5276, 0.2346, 0.3443



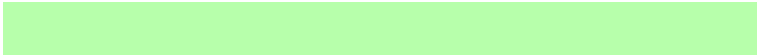
84.5276, 0.3016, 0.2522



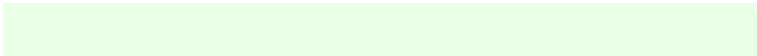
84.5276, 0.3950, 0.3080

Sweetspot

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



84.5219, 0.3152, 0.4254



94.5502, 0.3138, 0.3548



87.9434, 0.3663, 0.4003



20.0852, 0.3139, 0.3587



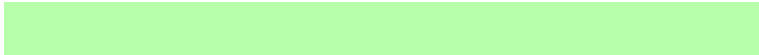
0.0000, 0.0000, 0.0000



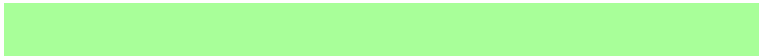
21.4041, 0.3127, 0.3290

Same Dimension

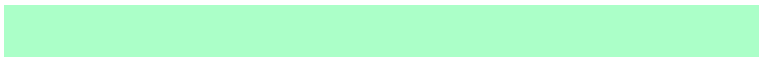
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5219, 0.3152, 0.4254



82.0910, 0.3152, 0.4496



84.3673, 0.2928, 0.3920



20.2920, 0.3137, 0.3534



37.6066, 0.3039, 0.5969



3.6972, 0.3097, 0.5923

Inverse Universe

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



55.4110, 0.3071, 0.2445



48.6136, 0.3053, 0.2264



55.8564, 0.3404, 0.2736



18.1617, 0.3115, 0.3054



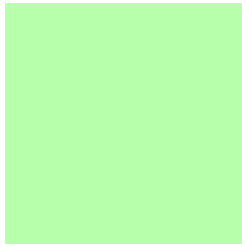
11.6698, 0.2851, 0.1344



1.1706, 0.2895, 0.1368

Previews

White Background



This preview shows how the Yxy color 84.5276, 0.3152, 0.4254 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 84.5276, 0.3152, 0.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

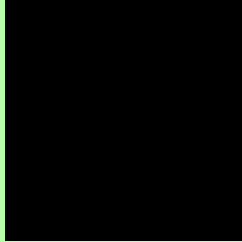
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5276, 0.3152, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 84.5276, 0.3152, 0.4254.

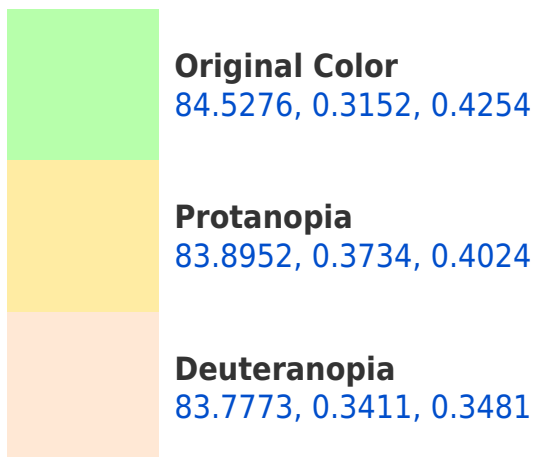


This preview shows how white text looks on a background with the Yxy color 84.5276, 0.3152, 0.4254.

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

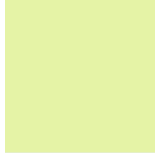
83.9795, 0.2859, 0.3144

Trichromacy



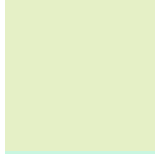
Original Color

84.5276, 0.3152, 0.4254



Protanomaly

83.5124, 0.3506, 0.4110



Deuteranomaly

83.0554, 0.3314, 0.3736



Tritanomaly

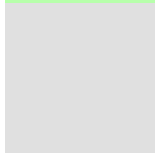
83.7109, 0.2972, 0.3530

Monochromacy



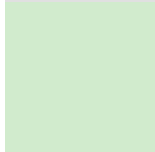
Original Color

84.5276, 0.3152, 0.4254



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3797, 0.3138, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5276, 0.3152, 0.4254 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(183, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 171)  
}
```

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(183, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 84.5276, 0.3152, 0.4254 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(183, 255, 171) }
```

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

```
.border{ border-color:rgb(183, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5276, 0.3152, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 171) }
```

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

```
.background{ background-color: rgb(183,  
255, 171) }
```

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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