

Converting Colors

Yxy(84.8536, 0.3274, 0.4412)

Have a look what the booklet for
Yxy(84.8536, 0.3274, 0.4412)
contains.

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Color

Yxy(84.8674, 0.3275, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	BEFF9C
RGB	190, 255, 156
RGB Percent	75%, 100%, 61%
CMY	0.2548, 0.0000, 0.3884
CMYK	0.25, 0.00, 0.39, 0.00
HSL	99°, 100%, 81%
HSV	99°, 39%, 100%
XYZ	62.9965, 84.8674, 44.4919
YIQ	224.2790, -6.9610, -44.5690

Conversions

Conversions Part 2

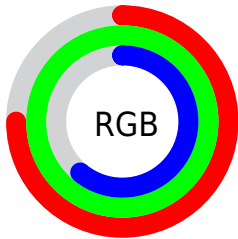
Format	Color
RYB	156, 255, 221
Decimal	12517276
CIELab	93.83, -37.44, 40.94
CIELCh	94, 55.484, 132.445
Yxy	84.8674, 0.3275, 0.4412
Android (android.graphics.Color)	4290707356 (0xFFBEFF9C)
YUV	224.2790, -33.6615, -30.0627
Hunter-Lab	92.1235, -39.1530, 35.8518

Details

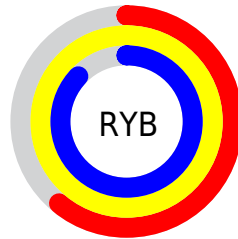
The Yxy color **84.8674, 0.3275, 0.4412** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.3434, 0.2893, 0.2244**, and the grayscale version is **75.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1796, 0.3341, 0.3727**, and **46.4358, 0.3280, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **82.0615, 0.3296, 0.4736**, and if you desaturate by 10%, it is **88.1044, 0.3244, 0.4094**.

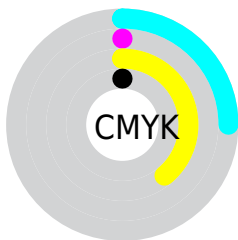
Distribution



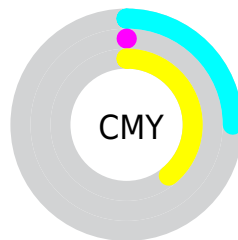
- Red (75%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8674, 0.3275, 0.4412 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 84.8674, 0.3275, 0.4412 by changing the saturation by 10% instead.


 84.8674, 0.3275,
0.4412


 84.8674, 0.3275,
0.4412


511.1892, 0.3228,
0.3881

 63.7318, 0.3280,
0.4535


 140.1879, 0.3263,
0.4226

 46.4335, 0.3283,
0.4686


 175.1416, 0.3257,
0.4154

 32.5880, 0.3281,
0.4878


215.4702, 0.3252,
0.4093

 21.8110, 0.3270,
0.5126

261.5579, 0.3246,
0.4039

 13.7181, 0.3240,
0.5457

313.7893, 0.3241,
0.3992

 7.9249, 0.3163,
0.5913


372.5487, 0.3237,


 4.0469, 0.3119,

0.3951


0.6865


438.2206, 0.3232,
0.3914


 1.6998, 0.2413,
0.7587


 0.4236, 0.0000,
1.0000


 84.8674, 0.3275,
0.4412

 84.8674, 0.3275,
0.4412


 82.0615, 0.3296,
0.4736

 88.1044, 0.3244,
0.4094

 79.6632, 0.3304,
0.5049

 91.7871, 0.3206,
0.3793

 77.6522, 0.3296,
0.5334

 95.9340, 0.3165,
0.3514

 76.0046, 0.3270,
0.5572

100.0000, 0.3127,
0.3290

■ 74.6932, 0.3228,
0.5746

■ 73.6824, 0.3175,
0.5855

■ 73.5805, 0.3169,
0.5866

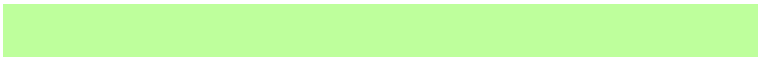
Harmonies

Analogous

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



84.8674, 0.3867, 0.4393



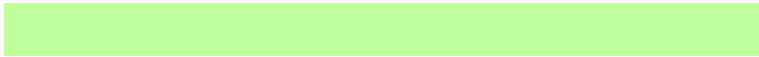
84.8674, 0.3275, 0.4412



84.8674, 0.2674, 0.4014

Triad

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



84.8674, 0.3275, 0.4412



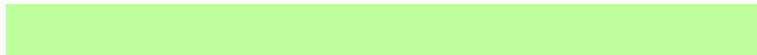
84.8674, 0.2064, 0.2419



84.8674, 0.4097, 0.3114

Complementary

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



84.8674, 0.3275, 0.4412



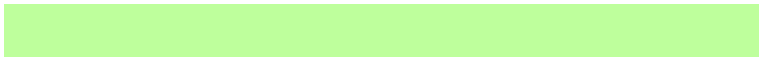
46.3434, 0.2893, 0.2244

Split Complementary

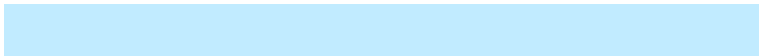
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8674, 0.3520, 0.2696



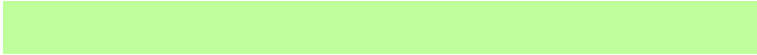
84.8674, 0.3275, 0.4412



84.8674, 0.2360, 0.2304

Square

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



84.8674, 0.3275, 0.4412



84.8674, 0.2015, 0.2781



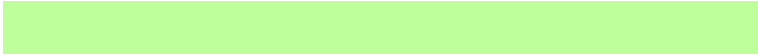
84.8674, 0.2876, 0.2408



84.8674, 0.4383, 0.3596

Rectangle

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



84.8674, 0.3275, 0.4412



84.8674, 0.2349, 0.3592



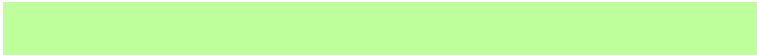
84.8674, 0.2876, 0.2408



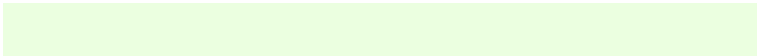
84.8674, 0.3928, 0.2964

Sweetspot

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



84.8687, 0.3275, 0.4412



94.5729, 0.3178, 0.3600



75.0207, 0.3838, 0.3948



20.1250, 0.3184, 0.3636



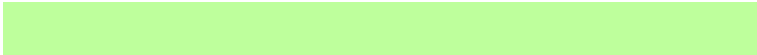
0.0000, 0.0000, 0.0000



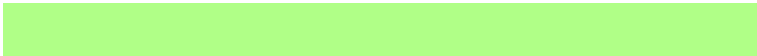
21.4041, 0.3127, 0.3290

Same Dimension

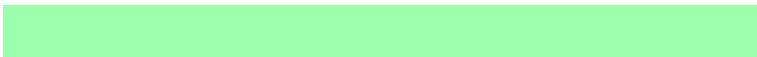
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8687, 0.3275, 0.4412



82.5471, 0.3293, 0.4676



81.5165, 0.2997, 0.4302



20.4718, 0.3168, 0.3532



38.5214, 0.3180, 0.5857



3.8084, 0.3266, 0.5789

Inverse Universe

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



46.3434, 0.2893, 0.2244



38.8525, 0.2826, 0.2018



51.3215, 0.3295, 0.2455



17.9693, 0.3083, 0.3052



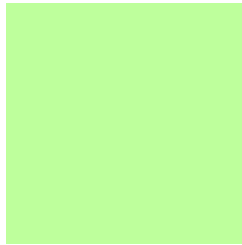
8.1680, 0.2357, 0.1072



0.8558, 0.2455, 0.1126

Previews

White Background



This preview shows how the Yxy color 84.8674, 0.3275, 0.4412 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 84.8674, 0.3275, 0.4412 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

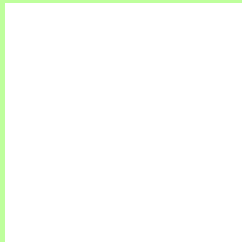
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8674, 0.3275, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 84.8674, 0.3275, 0.4412.

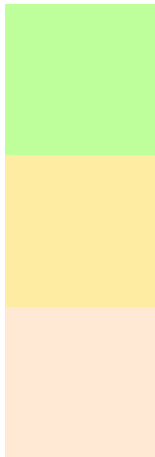


This preview shows how white text looks on a background with the Yxy color 84.8674, 0.3275, 0.4412.

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

84.8674, 0.3275, 0.4412

Protanopia

83.8952, 0.3734, 0.4024

Deuteranopia

84.2913, 0.3417, 0.3501



Tritanopia

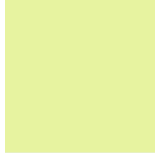
84.5777, 0.2883, 0.3145

Trichromacy



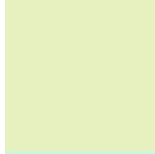
Original Color

84.8674, 0.3275, 0.4412



Protanomaly

83.6282, 0.3557, 0.4169



Deuteranomaly

83.7053, 0.3364, 0.3809



Tritanomaly

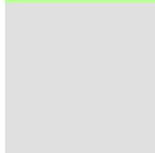
84.1478, 0.3032, 0.3583

Monochromacy



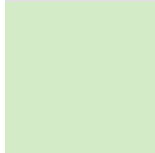
Original Color

84.8674, 0.3275, 0.4412



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.5372, 0.3196, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8674, 0.3275, 0.4412 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(190, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 156)  
}
```

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(190, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 84.8674, 0.3275, 0.4412 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(190, 255, 156) }
```

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

```
.border{ border-color:rgb(190, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8674, 0.3275, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 156) }
```

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

```
.background{ background-color: rgb(190,  
255, 156) }
```

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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