

Converting Colors

Yxy(80.8557, 0.3192, 0.4241)

Have a look what the booklet for
Yxy(80.8557, 0.3192, 0.4241)
contains.

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Color

Yxy(80.8557, 0.3192, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	B9F9A7
RGB	185, 249, 167
RGB Percent	73%, 98%, 65%
CMY	0.2745, 0.0235, 0.3452
CMYK	0.26, 0.00, 0.33, 0.02
HSL	107°, 87%, 82%
HSV	107°, 33%, 98%
XYZ	60.8563, 80.8557, 48.9405
YIQ	220.5160, -11.8220, -39.0700

Conversions

Conversions Part 2

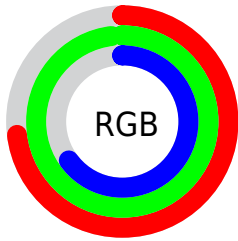
Format	Color
RYB	167, 249, 231
Decimal	12188071
CIELab	92.07, -34.86, 33.12
CIELCh	92, 48.085, 136.465
Yxy	80.8557, 0.3192, 0.4241
Android (android.graphics.Color)	4290378151 (0xFFB9F9A7)
YUV	220.5160, -26.3834, -31.1475
Hunter-Lab	89.9198, -36.5537, 30.6742

Details

The Yxy color **80.8557, 0.3192, 0.4241** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.4483, 0.3019, 0.2433**, and the grayscale version is **72.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7250, 0.3231, 0.3610**, and **43.6600, 0.3190, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **77.7721, 0.3201, 0.4577**, and if you desaturate by 10%, it is **84.4536, 0.3176, 0.3922**.

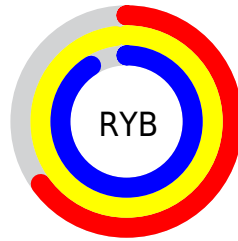
Distribution



Red (73%)

Green (98%)

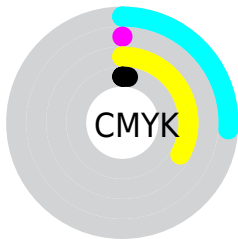
Blue (65%)



Red (65%)

Yellow (98%)

Blue (91%)

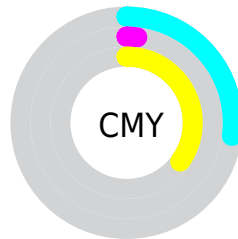


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (2%)



Cyan (27%)


Magenta (2%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8557, 0.3192, 0.4241 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 80.8557, 0.3192, 0.4241 by changing the saturation by 10% instead.


 80.8557, 0.3192,
0.4241


 80.8557, 0.3192,
0.4241


497.8119, 0.3176,
0.3787

 60.4228, 0.3192,
0.4347


 134.5681, 0.3190,
0.4081

 43.7595, 0.3189,
0.4480


 168.6164, 0.3188,
0.4020

 30.4815, 0.3182,
0.4648


207.9719, 0.3186,
0.3967

 20.2043, 0.3168,
0.4871

253.0191, 0.3184,
0.3921

 12.5437, 0.3136,
0.5175

304.1423, 0.3182,
0.3882

 7.1151, 0.3068,
0.5610


361.7259, 0.3180,


 3.5342, 0.2973,


0.3846


0.6403

426.1543, 0.3178,
0.3815


 1.4166, 0.2282,
0.7718


 0.2289, 0.0000,
1.0000

 80.8557, 0.3192,
0.4241


 80.8557, 0.3192,
0.4241


 77.7721, 0.3201,
0.4577


 84.4536, 0.3176,
0.3922

 75.1689, 0.3202,
0.4914

 88.5774, 0.3156,
0.3628

 73.0241, 0.3193,
0.5235

 93.2512, 0.3134,
0.3363

 71.3098, 0.3171,
0.5516

 96.2356, 0.3130,
0.3233

■ 69.9948, 0.3140,
0.5736

■ 69.0430, 0.3100,
0.5881

■ 68.5608, 0.3072,
0.5943

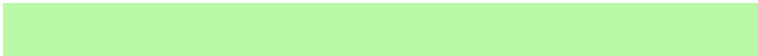
Harmonies

Analogous

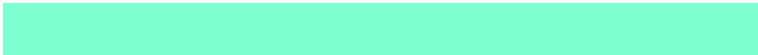
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8557, 0.3726, 0.4286



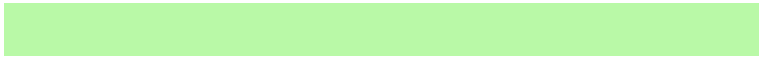
80.8557, 0.3192, 0.4241



80.8557, 0.2667, 0.3853

Triad

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



80.8557, 0.3192, 0.4241



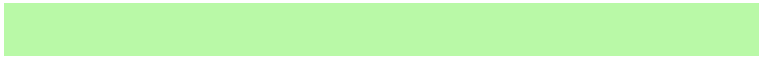
80.8557, 0.2200, 0.2491



80.8557, 0.4033, 0.3196

Complementary

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



80.8557, 0.3192, 0.4241



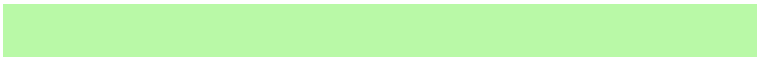
51.4483, 0.3019, 0.2433

Split Complementary

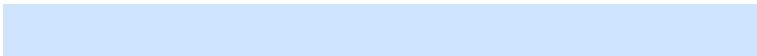
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8557, 0.3552, 0.2805



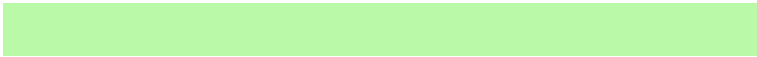
80.8557, 0.3192, 0.4241



80.8557, 0.2497, 0.2410

Square

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



80.8557, 0.3192, 0.4241



80.8557, 0.2126, 0.2791



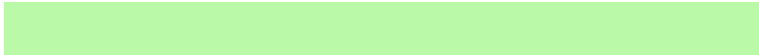
80.8557, 0.2981, 0.2526



80.8557, 0.4243, 0.3633

Rectangle

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



80.8557, 0.3192, 0.4241



80.8557, 0.2391, 0.3480



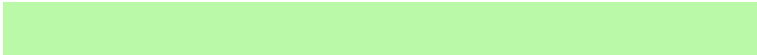
80.8557, 0.2981, 0.2526



80.8557, 0.3895, 0.3058

Sweetspot

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



80.8592, 0.3192, 0.4241



94.8855, 0.3150, 0.3547



79.4476, 0.3684, 0.3939



20.1657, 0.3153, 0.3585



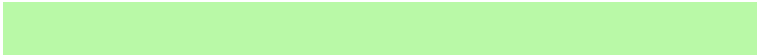
0.0000, 0.0000, 0.0000



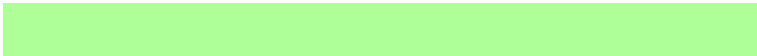
21.4041, 0.3127, 0.3290

Same Dimension

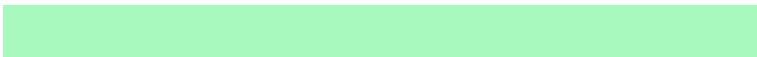
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8592, 0.3192, 0.4241



82.9834, 0.3199, 0.4478



79.6346, 0.2965, 0.4003



19.4932, 0.3149, 0.3533



36.7478, 0.3080, 0.5936



3.4480, 0.3156, 0.5876

Inverse Universe

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



51.4483, 0.3019, 0.2433



47.2542, 0.2987, 0.2244



53.3189, 0.3345, 0.2671



17.3208, 0.3103, 0.3054



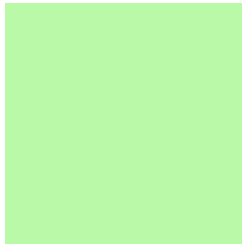
9.8835, 0.2657, 0.1237



0.9612, 0.2726, 0.1275

Previews

White Background



This preview shows how the Yxy color 80.8557, 0.3192, 0.4241 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 80.8557, 0.3192, 0.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

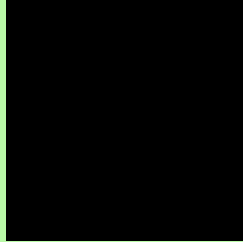
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

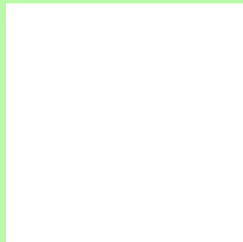
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8557, 0.3192, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 80.8557, 0.3192, 0.4241.

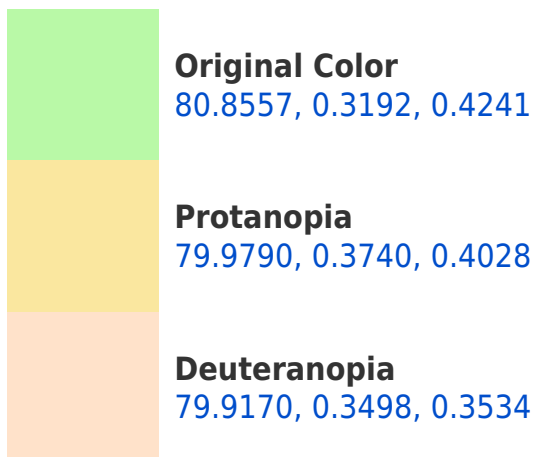


This preview shows how white text looks on a background with the Yxy color 80.8557, 0.3192, 0.4241.

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

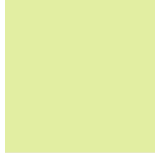
80.3449, 0.2803, 0.3098

Trichromacy



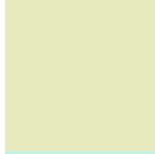
Original Color

80.8557, 0.3192, 0.4241



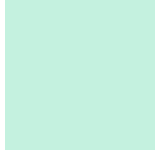
Protanomaly

79.9265, 0.3522, 0.4112



Deuteranomaly

79.3428, 0.3388, 0.3773



Tritanomaly

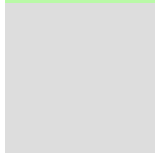
79.9741, 0.2947, 0.3489

Monochromacy



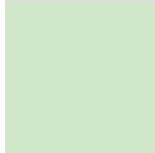
Original Color

80.8557, 0.3192, 0.4241



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.7788, 0.3159, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8557, 0.3192, 0.4241 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(185, 249, 167)` looks like.

```
.text, #text, p{  
    color:rgb(185, 249, 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(185, 249, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 249, 167) }
```

Border

The CSS property to change the border of an element to Yxy 80.8557, 0.3192, 0.4241 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(185, 249, 167) }
```

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

```
.border{ border-color:rgb(185, 249, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 249, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 249, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 249, 167);  
box-shadow:4px 4px 4px 4px rgb(185, 249,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8557, 0.3192, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 249, 167) }
```

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

```
.background{ background-color: rgb(185,  
249, 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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