

Converting Colors

$Yxy(80.2198, 0.3133, 0.3957)$

Have a look what the booklet for
Yxy(80.2198, 0.3133, 0.3957)
contains.

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Color

Yxy(80.2301, 0.3134, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	C1F5BB
RGB	193, 245, 187
RGB Percent	76%, 96%, 73%
CMY	0.2430, 0.0392, 0.2666
CMYK	0.21, 0.00, 0.24, 0.04
HSL	114°, 74%, 85%
HSV	114°, 24%, 96%
XYZ	63.6238, 80.2301, 59.1575
YIQ	222.8400, -12.3740, -29.0620

Conversions

Conversions Part 2

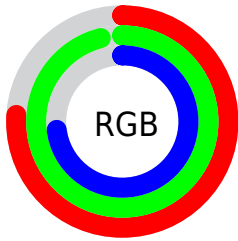
Format	Color
RYB	187, 245, 239
Decimal	12711355
CIELab	91.79, -27.22, 22.64
CIELCh	92, 35.406, 140.242
Yxy	80.2301, 0.3134, 0.3952
Android (android.graphics.Color)	4290901435 (0xFFC1F5BB)
YUV	222.8400, -17.6691, -26.1697
Hunter-Lab	89.5713, -29.9585, 23.5417

Details

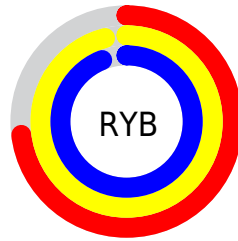
The Yxy color **80.2301, 0.3134, 0.3952** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4887, 0.3108, 0.2692**, and the grayscale version is **73.8150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3151, 0.3165, 0.3406**, and **43.5197, 0.3120, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **76.5966, 0.3132, 0.4282**, and if you desaturate by 10%, it is **84.4778, 0.3133, 0.3650**.

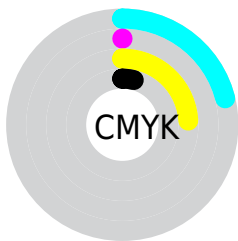
Distribution



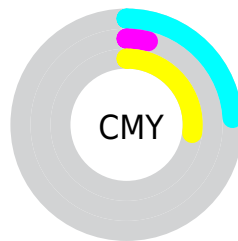
- Red (76%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (94%)



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)





- Cyan (24%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2301, 0.3134, 0.3952 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 80.2301, 0.3134, 0.3952 by changing the saturation by 10% instead.

 80.2301, 0.3134,
0.3952

 80.2301, 0.3134,
0.3952


495.7079, 0.3138,
0.3639

 59.9077, 0.3131,
0.4025


 133.6892, 0.3137,
0.3842

 43.3443, 0.3127,
0.4116


167.5947, 0.3137,
0.3800

 30.1553, 0.3121,
0.4233


206.7967, 0.3138,
0.3763

 19.9565, 0.3110,
0.4387

251.6796, 0.3138,
0.3732

 12.3634, 0.3090,
0.4600

302.6278, 0.3138,
0.3704

 6.9917, 0.3051,
0.4910

360.0256, 0.3138,


 3.4569, 0.2966,


0.3680


0.5401

424.2575, 0.3138,
0.3658

 1.3747, 0.2953,
0.7047


 0.1979, 0.0000,
1.0000


 80.2301, 0.3134,
0.3952


 80.2301, 0.3134,
0.3952

 76.5966, 0.3132,
0.4282


 84.4778, 0.3133,
0.3650

 73.5393, 0.3127,
0.4630

 89.3555, 0.3129,
0.3381

 71.0313, 0.3116,
0.4981

 93.7818, 0.3132,
0.3194

 69.0400, 0.3100,
0.5311

■ 67.5290, 0.3080,
0.5594

■ 66.4571, 0.3057,
0.5808

■ 65.7760, 0.3033,
0.5938

■ 65.5141, 0.3020,
0.5984

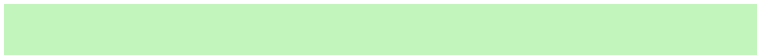
Harmonies

Analogous

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



80.2301, 0.3537, 0.4032



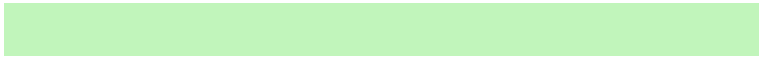
80.2301, 0.3134, 0.3952



80.2301, 0.2746, 0.3651

Triad

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



80.2301, 0.3134, 0.3952



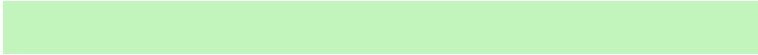
80.2301, 0.2445, 0.2675



80.2301, 0.3825, 0.3272

Complementary

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



80.2301, 0.3134, 0.3952



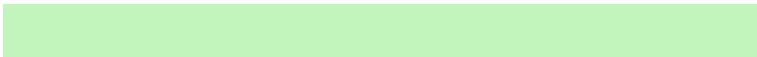
60.4887, 0.3108, 0.2692

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.



80.2301, 0.3496, 0.2960



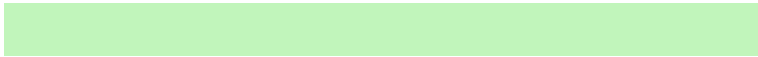
80.2301, 0.3134, 0.3952



80.2301, 0.2697, 0.2624

Square

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



80.2301, 0.3134, 0.3952



80.2301, 0.2365, 0.2891



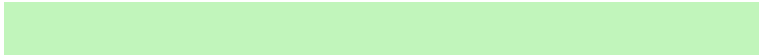
80.2301, 0.3077, 0.2729



80.2301, 0.3953, 0.3606

Rectangle

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



80.2301, 0.3134, 0.3952



80.2301, 0.2545, 0.3383



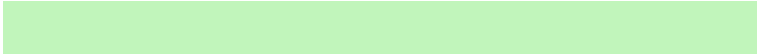
80.2301, 0.3077, 0.2729



80.2301, 0.3733, 0.3162

Sweetspot

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



80.2335, 0.3134, 0.3952



95.9945, 0.3130, 0.3467



84.2843, 0.3500, 0.3818



20.4764, 0.3131, 0.3483



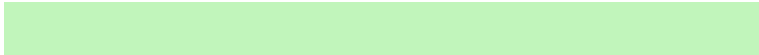
0.0000, 0.0000, 0.0000



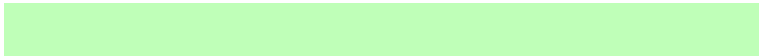
21.4041, 0.3127, 0.3290

Same Dimension

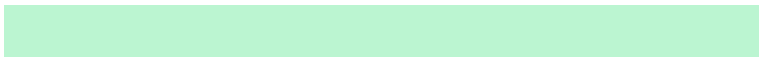
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2335, 0.3134, 0.3952



86.0421, 0.3134, 0.4094



80.4849, 0.2970, 0.3696



18.5543, 0.3131, 0.3534



35.3228, 0.3025, 0.5980



3.1314, 0.3077, 0.5939

Inverse Universe

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



60.4887, 0.3108, 0.2692



61.2159, 0.3103, 0.2578



60.2770, 0.3325, 0.2917



16.6758, 0.3121, 0.3056



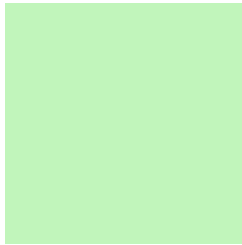
11.7475, 0.2949, 0.1398



1.0572, 0.2983, 0.1417

Previews

White Background



This preview shows how the Yxy color 80.2301, 0.3134, 0.3952 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 80.2301, 0.3134, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

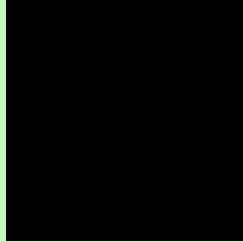
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

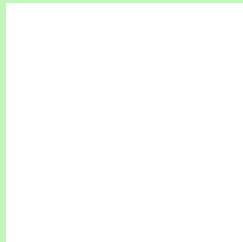
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2301, 0.3134, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 80.2301, 0.3134, 0.3952.

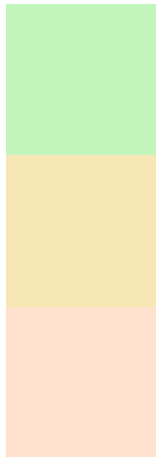


This preview shows how white text looks on a background with the Yxy color 80.2301, 0.3134, 0.3952.

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

80.2301, 0.3134, 0.3952

Protanopia

79.4817, 0.3573, 0.3810

Deuteranopia

79.5667, 0.3472, 0.3483



Tritanopia

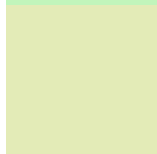
80.0483, 0.2814, 0.3088

Trichromacy



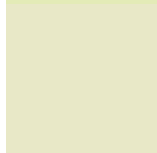
Original Color

80.2301, 0.3134, 0.3952



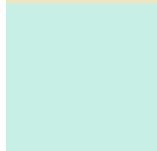
Protanomaly

79.1665, 0.3403, 0.3852



Deuteranomaly

78.9926, 0.3340, 0.3642



Tritanomaly

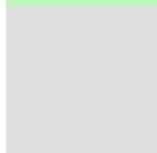
79.7255, 0.2931, 0.3388

Monochromacy



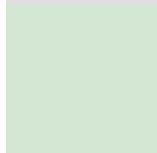
Original Color

80.2301, 0.3134, 0.3952



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.8020, 0.3130, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2301, 0.3134, 0.3952 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(193, 245, 187)` looks like.

```
.text, #text, p{  
    color:rgb(193, 245, 187)  
}
```

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(193, 245, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 245, 187) }
```

Border

The CSS property to change the border of an element to Yxy 80.2301, 0.3134, 0.3952 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(193, 245, 187) }
```

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

```
.border{ border-color:rgb(193, 245, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 245, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 245, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 245, 187); box-shadow:4px 4px 4px 4px rgb(193, 245, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2301, 0.3134, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 245, 187) }
```

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

```
.background{ background-color: rgb(193,  
245, 187) }
```

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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