

Converting Colors

$Yxy(80.8075, 0.3233, 0.4036)$

Have a look what the booklet for
Yxy(80.8075, 0.3233, 0.4036)
contains.

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Color

Yxy(80.9770, 0.3232, 0.4034)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C9F5B3 |
| RGB | 201, 245, 179 |
| RGB Percent | 79%, 96%, 70% |
| CMY | 0.2118, 0.0392, 0.2979 |
| CMYK | 0.18, 0.00, 0.27, 0.04 |
| HSL | 100°, 77%, 83% |
| HSV | 100°, 27%, 96% |
| XYZ | 64.8780, 80.9770, 54.8813 |
| YIQ | 224.3200, -5.0380, -29.8540 |

Conversions

Conversions Part 2

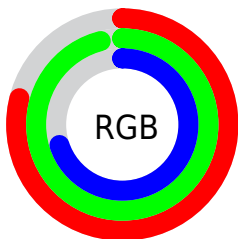
| Format | Color |
|-------------------------------------|--|
| RYB | 179, 245, 223 |
| Decimal | 13235635 |
| CIELab | 92.12, -25.80, 27.25 |
| CIELCh | 92, 37.526, 133.435 |
| Yxy | 80.9770, 0.3232, 0.4034 |
| Android (android.graphics.Color) | 4291425715 (0xFFC9F5B3) |
| YUV | 224.3200, -22.3428, -20.4516 |
| Hunter-Lab | 89.9872, -28.7848, 26.8313 |

Details

The Yxy color **80.9770, 0.3232, 0.4034** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.5486, 0.2986, 0.2583**, and the grayscale version is **74.9508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **44.0125, 0.3243, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **77.9289, 0.3263, 0.4350**, and if you desaturate by 10%, it is **84.4494, 0.3195, 0.3737**.

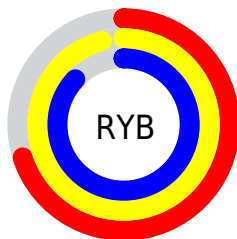
Distribution



Red (79%)

Green (96%)

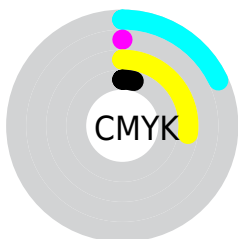
Blue (70%)



Red (70%)

Yellow (96%)

Blue (87%)

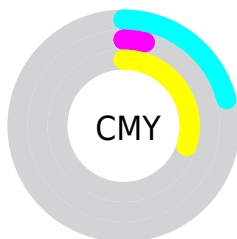


Cyan (18%)

Magenta (0%)

Yellow (27%)

Black (4%)



Cyan (21%)

Magenta (4%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9770, 0.3232, 0.4034 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 80.9770, 0.3232, 0.4034 by changing the saturation by 10% instead.

 80.9770, 0.3232,
0.4034

 80.9770, 0.3232,
0.4034


498.2193, 0.3193,
0.3683

 60.5227, 0.3239,
0.4116


 134.7385, 0.3220,
0.3911

 43.8400, 0.3246,
0.4217

168.8144, 0.3215,
0.3863

 30.5448, 0.3252,
0.4346


208.1996, 0.3210,
0.3823

 20.2525, 0.3257,
0.4516

253.2786, 0.3206,
0.3787

 12.5787, 0.3257,
0.4748

304.4356, 0.3202,
0.3756

 7.1391, 0.3243,
0.5082

362.0552, 0.3199,

 3.5492, 0.3192,

0.3729

0.5606

426.5216, 0.3196,
0.3705

1.4248, 0.3118,
0.6882

0.2349, 0.0000,
1.0000

80.9770, 0.3232,
0.4034

80.9770, 0.3232,
0.4034

77.9289, 0.3263,
0.4350

84.4494, 0.3195,
0.3737

75.2777, 0.3284,
0.4674

88.3515, 0.3156,
0.3464

73.0089, 0.3294,
0.4992

92.7017, 0.3115,
0.3217

71.1029, 0.3288,
0.5286

93.7878, 0.3132,
0.3194

■ 69.5380, 0.3265,
0.5535

■ 68.2898, 0.3227,
0.5724

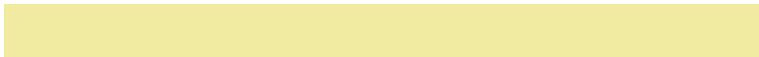
■ 67.3289, 0.3176,
0.5845

■ 67.0800, 0.3160,
0.5873

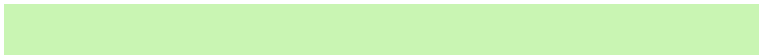
Harmonies

Analogous

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



80.9770, 0.3644, 0.4058



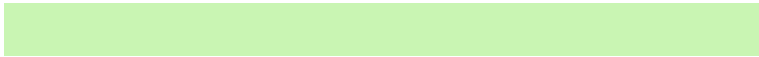
80.9770, 0.3232, 0.4034



80.9770, 0.2809, 0.3761

Triad

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



80.9770, 0.3232, 0.4034



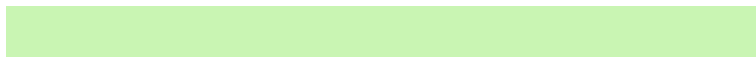
80.9770, 0.2373, 0.2677



80.9770, 0.3802, 0.3190

Complementary

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



80.9770, 0.3232, 0.4034



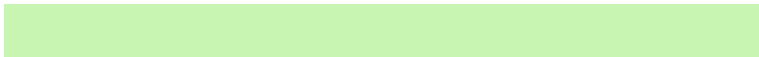
54.5486, 0.2986, 0.2583

Split Complementary

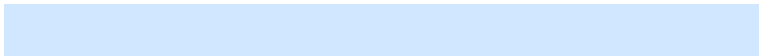
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9770, 0.3418, 0.2878



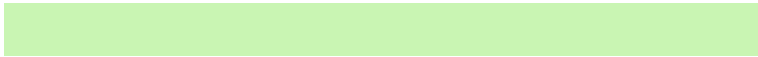
80.9770, 0.3232, 0.4034



80.9770, 0.2599, 0.2586

Square

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



80.9770, 0.3232, 0.4034



80.9770, 0.2333, 0.2941



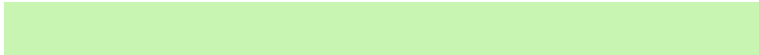
80.9770, 0.2974, 0.2662



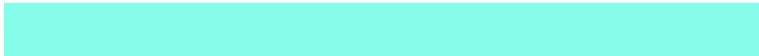
80.9770, 0.3992, 0.3542

Rectangle

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



80.9770, 0.3232, 0.4034



80.9770, 0.2578, 0.3487



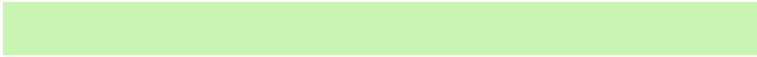
80.9770, 0.2974, 0.2662



80.9770, 0.3690, 0.3078

Sweetspot

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



80.9805, 0.3232, 0.4034



96.2641, 0.3160, 0.3492



75.4550, 0.3590, 0.3753



20.4617, 0.3166, 0.3532



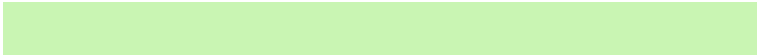
0.0000, 0.0000, 0.0000



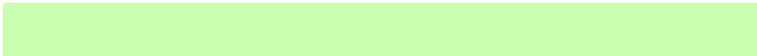
21.4041, 0.3127, 0.3290

Same Dimension

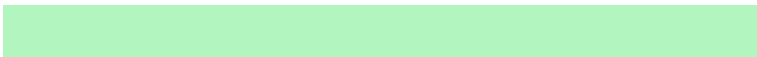
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9805, 0.3232, 0.4034



86.9078, 0.3249, 0.4195



78.6162, 0.3029, 0.3933



18.7398, 0.3166, 0.3531



36.2031, 0.3171, 0.5865



3.2357, 0.3265, 0.5790

Inverse Universe

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



54.5486, 0.2986, 0.2583



53.7303, 0.2951, 0.2439



57.6129, 0.3244, 0.2723



16.4760, 0.3085, 0.3053



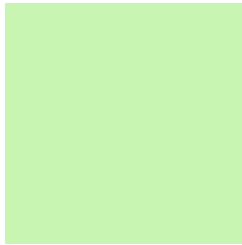
7.8527, 0.2385, 0.1087



0.7461, 0.2489, 0.1145

Previews

White Background



This preview shows how the Yxy color 80.9770, 0.3232, 0.4034 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 80.9770, 0.3232, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

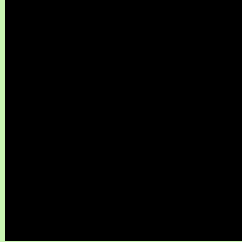
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

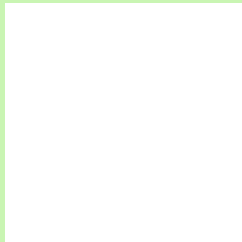
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9770, 0.3232, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 80.9770, 0.3232, 0.4034.

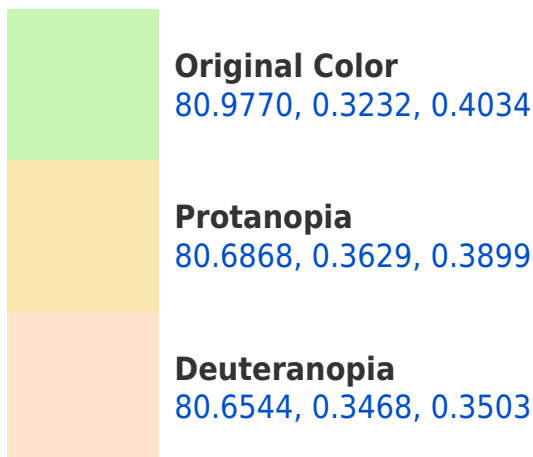


This preview shows how white text looks on a background with the Yxy color 80.9770, 0.3232, 0.4034.

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

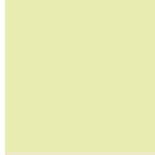
80.7186, 0.2873, 0.3091

Trichromacy



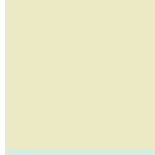
Original Color

80.9770, 0.3232, 0.4034



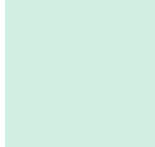
Protanomaly

80.6524, 0.3479, 0.3953



Deuteranomaly

80.4933, 0.3378, 0.3692



Tritanomaly

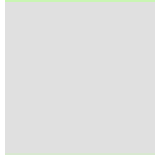
80.8344, 0.3005, 0.3419

Monochromacy



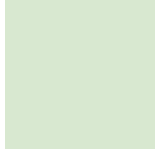
Original Color

80.9770, 0.3232, 0.4034



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.8662, 0.3169, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9770, 0.3232, 0.4034 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(201, 245, 179)` looks like.

```
.text, #text, p{  
    color:rgb(201, 245, 179)  
}
```

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(201, 245, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 245, 179) }
```

Border

The CSS property to change the border of an element to Yxy 80.9770, 0.3232, 0.4034 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(201, 245, 179) }
```

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

```
.border{ border-color:rgb(201, 245, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 245, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 245, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 245, 179); box-shadow:4px 4px 4px 4px rgb(201, 245, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9770, 0.3232, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 245, 179) }
```

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

```
.background{ background-color: rgb(201,  
245, 179) }
```

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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