

Converting Colors

$Yxy(80.4551, 0.3222, 0.4001)$

Have a look what the booklet for
Yxy(80.4551, 0.3222, 0.4001)
contains.

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Color

Yxy(80.4551, 0.3222, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	C9F4B5
RGB	201, 244, 181
RGB Percent	79%, 96%, 71%
CMY	0.2116, 0.0432, 0.2901
CMYK	0.18, 0.00, 0.26, 0.04
HSL	101°, 74%, 83%
HSV	101°, 26%, 96%
XYZ	64.7904, 80.4551, 55.8420
YIQ	223.9610, -5.4050, -28.7090

Conversions

Conversions Part 2

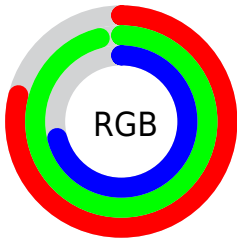
Format	Color
RYB	181, 244, 224
Decimal	13235381
CIELab	91.89, -25.00, 25.93
CIELCh	92, 36.012, 133.954
Yxy	80.4551, 0.3222, 0.4001
Android (android.graphics.Color)	4291425461 (0xFFC9F4B5)
YUV	223.9610, -21.1798, -20.1368
Hunter-Lab	89.6968, -28.0340, 25.8759

Details

The Yxy color **80.4551, 0.3222, 0.4001** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.4300, 0.3000, 0.2615**, and the grayscale version is **74.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **43.6359, 0.3230, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **77.3597, 0.3251, 0.4316**, and if you desaturate by 10%, it is **83.9827, 0.3187, 0.3705**.

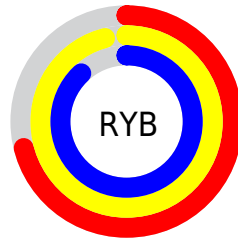
Distribution



Red (79%)

Green (96%)

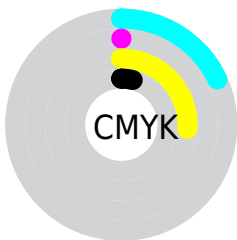
Blue (71%)



Red (71%)

Yellow (96%)

Blue (88%)

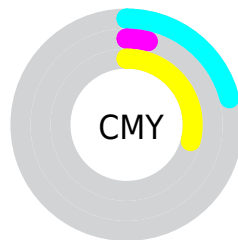


Cyan (18%)

Magenta (0%)

Yellow (26%)

Black (4%)



Cyan (21%)


Magenta (4%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4551, 0.3222, 0.4001 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 80.4551, 0.3222, 0.4001 by changing the saturation by 10% instead.

 80.4551, 0.3222,
0.4001

 80.4551, 0.3222,
0.4001


496.4652, 0.3186,
0.3665

 60.0929, 0.3228,
0.4079

 134.0054, 0.3211,
0.3883

 43.4935, 0.3234,
0.4176


167.9623, 0.3207,
0.3838

 30.2725, 0.3240,
0.4300


207.2196, 0.3202,
0.3799

 20.0456, 0.3245,
0.4463

252.1616, 0.3199,
0.3765

 12.4282, 0.3245,
0.4686

303.1728, 0.3195,
0.3735

 7.0360, 0.3232,
0.5008


360.6375, 0.3192,


 3.4846, 0.3182,


0.3709


0.5511


424.9402, 0.3189,
0.3686


 1.3897, 0.3156,
0.6844


 0.2091, 0.0000,
1.0000


 80.4551, 0.3222,
0.4001


 80.4551, 0.3222,
0.4001

 77.3597, 0.3251,
0.4316


 83.9827, 0.3187,
0.3705


 74.6689, 0.3272,
0.4642

 87.9481, 0.3150,
0.3435

 72.3680, 0.3281,
0.4964

 92.3700, 0.3111,
0.3191

 70.4371, 0.3276,
0.5263

 93.1768, 0.3132,
0.3185

■ 68.8544, 0.3254,
0.5520

■ 67.5953, 0.3217,
0.5717

■ 66.6309, 0.3168,
0.5845

■ 66.2998, 0.3147,
0.5884

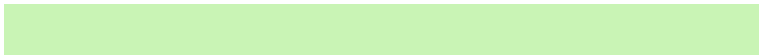
Harmonies

Analogous

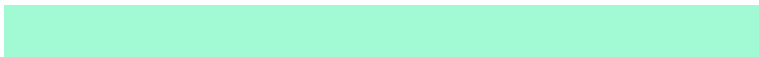
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4551, 0.3620, 0.4030



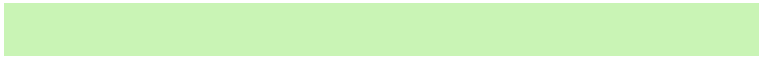
80.4551, 0.3222, 0.4001



80.4551, 0.2815, 0.3736

Triad

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



80.4551, 0.3222, 0.4001



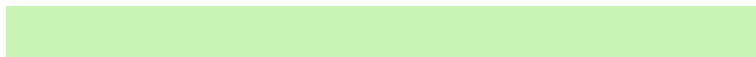
80.4551, 0.2403, 0.2697



80.4551, 0.3781, 0.3200

Complementary

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



80.4551, 0.3222, 0.4001



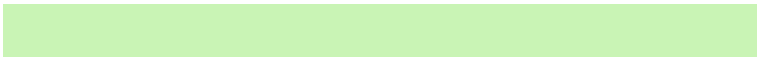
55.4300, 0.3000, 0.2615

Split Complementary

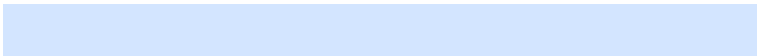
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4551, 0.3415, 0.2897



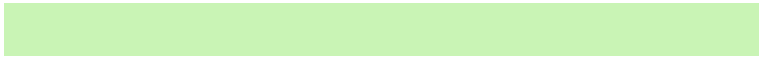
80.4551, 0.3222, 0.4001



80.4551, 0.2623, 0.2611

Square

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



80.4551, 0.3222, 0.4001



80.4551, 0.2361, 0.2950



80.4551, 0.2987, 0.2686



80.4551, 0.3960, 0.3540

Rectangle

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



80.4551, 0.3222, 0.4001



80.4551, 0.2593, 0.3472



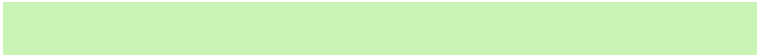
80.4551, 0.2987, 0.2686



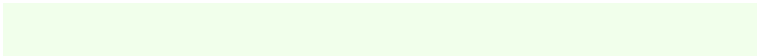
80.4551, 0.3674, 0.3092

Sweetspot

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



80.4586, 0.3222, 0.4001



96.2114, 0.3158, 0.3492



75.3457, 0.3569, 0.3733



20.4485, 0.3164, 0.3532



0.0000, 0.0000, 0.0000



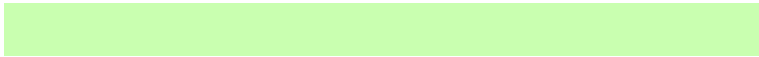
21.4041, 0.3127, 0.3290

Same Dimension

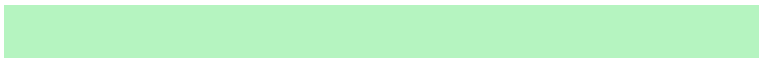
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4586, 0.3222, 0.4001



87.0830, 0.3238, 0.4165



78.3078, 0.3033, 0.3902



18.7277, 0.3164, 0.3531



36.1172, 0.3157, 0.5875



3.2271, 0.3250, 0.5801

Inverse Universe

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



55.4300, 0.3000, 0.2615



55.0504, 0.2967, 0.2469



58.2006, 0.3238, 0.2747



16.4886, 0.3087, 0.3053



8.0592, 0.2419, 0.1106



0.7632, 0.2520, 0.1162

Previews

White Background



This preview shows how the Yxy color 80.4551, 0.3222, 0.4001 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 80.4551, 0.3222, 0.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

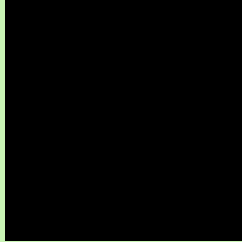
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

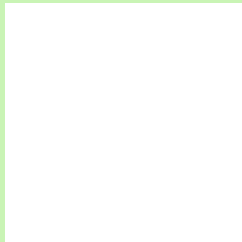
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4551, 0.3222, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 80.4551, 0.3222, 0.4001.

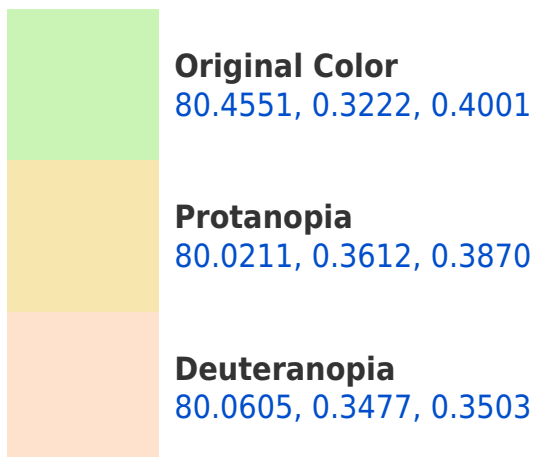


This preview shows how white text looks on a background with the Yxy color 80.4551, 0.3222, 0.4001.

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

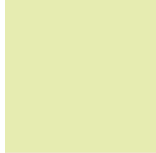
80.5056, 0.2873, 0.3101

Trichromacy



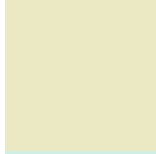
Original Color

80.4551, 0.3222, 0.4001



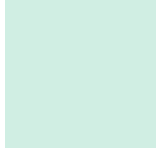
Protanomaly

79.9882, 0.3461, 0.3924



Deuteranomaly

79.9255, 0.3380, 0.3682



Tritanomaly

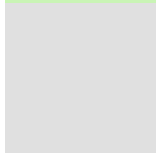
80.1050, 0.2998, 0.3409

Monochromacy



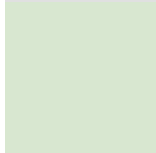
Original Color

80.4551, 0.3222, 0.4001



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.3048, 0.3170, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4551, 0.3222, 0.4001 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, 244, 181)` looks like.

```
.text, #text, p{  
    color:rgb(201, 244, 181)  
}
```

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, 244, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 244, 181) }
```

Border

The CSS property to change the border of an element to Yxy 80.4551, 0.3222, 0.4001 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, 244, 181) }
```

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

```
.border{ border-color:rgb(201, 244, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 244, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 244, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 244, 181);  
box-shadow:4px 4px 4px 4px rgb(201, 244,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4551, 0.3222, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 244, 181) }
```

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

```
.background{ background-color: rgb(201,  
244, 181) }
```

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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