

Converting Colors

Yxy(81.9764, 0.3206, 0.4137)

Have a look what the booklet for
Yxy(81.9764, 0.3206, 0.4137)
contains.

Yxy(82.1448, 0.3204, 0.4144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.1448, 0.3204, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	C1F9AE
RGB	193, 249, 174
RGB Percent	76%, 98%, 68%
CMY	0.2431, 0.0235, 0.3175
CMYK	0.22, 0.00, 0.30, 0.02
HSL	105°, 86%, 83%
HSV	105°, 30%, 98%
XYZ	63.5116, 82.1448, 52.5695
YIQ	223.7060, -9.3010, -35.1970

Conversions

Conversions Part 2

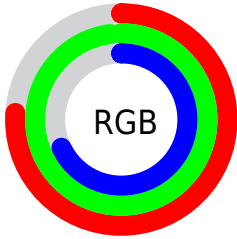
Format	Color
RYB	174, 249, 230
Decimal	12712366
CIELab	92.64, -31.14, 30.41
CIElCh	93, 43.527, 135.683
Yxy	82.1448, 0.3204, 0.4144
Android (android.graphics.Color)	4290902446 (0xFFC1F9AE)
YUV	223.7060, -24.5051, -26.9292
Hunter-Lab	90.6338, -33.5253, 29.0542

Details

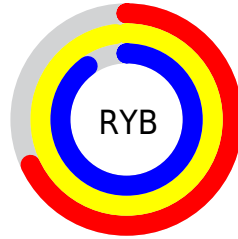
The Yxy color **82.1448, 0.3204, 0.4144** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.9538, 0.3012, 0.2504**, and the grayscale version is **74.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5572, 0.3242, 0.3535**, and **44.4830, 0.3207, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **78.9724, 0.3220, 0.4473**, and if you desaturate by 10%, it is **85.8117, 0.3182, 0.3834**.

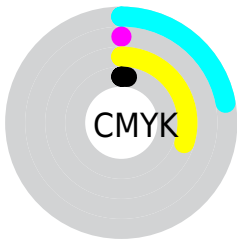
Distribution



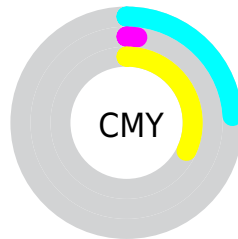
- Red (76%)
- Green (98%)
- Blue (68%)



- Red (68%)
- Yellow (98%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (2%)




- Cyan (24%)
- Magenta (2%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1448, 0.3204, 0.4144 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 82.1448, 0.3204, 0.4144 by changing the saturation by 10% instead.


 82.1448, 0.3204,
0.4144

 82.1448, 0.3204,
0.4144


502.1319, 0.3180,
0.3739

 61.4849, 0.3206,
0.4238


 136.3770, 0.3198,
0.4002

 44.6166, 0.3208,
0.4355


170.7182, 0.3195,
0.3947

 31.1556, 0.3206,
0.4504


210.3885, 0.3192,
0.3900

 20.7173, 0.3200,
0.4700

255.7724, 0.3190,
0.3860

 12.9175, 0.3183,
0.4968

307.2543, 0.3187,
0.3824

 7.3718, 0.3140,
0.5351


365.2186, 0.3185,


 3.6957, 0.3051,

0.3792

0.5974

430.0497, 0.3182,
0.3764


 1.5048, 0.2746,
0.7254


 0.2921, 0.0000,
1.0000


 82.1448, 0.3204,
0.4144


 82.1448, 0.3204,
0.4144

 78.9724, 0.3220,
0.4473


 85.8117, 0.3182,
0.3834

 76.2626, 0.3228,
0.4807

 89.9824, 0.3156,
0.3549

 73.9960, 0.3224,
0.5131

 94.6794, 0.3127,
0.3293

 72.1473, 0.3208,
0.5422

 96.2327, 0.3130,
0.3233

■ 70.6889, 0.3178,
0.5659

■ 69.5889, 0.3138,
0.5827

■ 68.8098, 0.3094,
0.5926

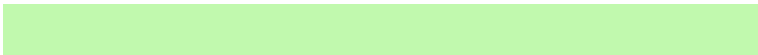
Harmonies

Analogous

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



82.1448, 0.3685, 0.4184



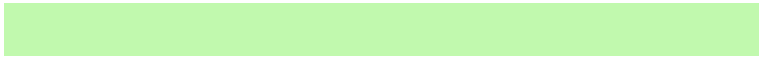
82.1448, 0.3204, 0.4144



82.1448, 0.2725, 0.3805

Triad

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



82.1448, 0.3204, 0.4144



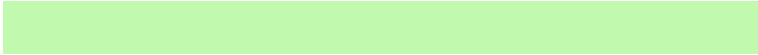
82.1448, 0.2279, 0.2571



82.1448, 0.3933, 0.3200

Complementary

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



82.1448, 0.3204, 0.4144



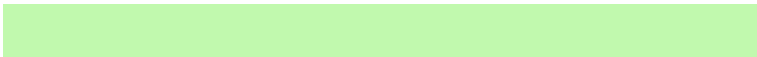
53.9538, 0.3012, 0.2504

Split Complementary

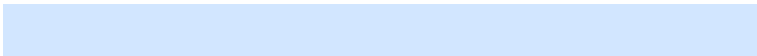
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1448, 0.3499, 0.2842



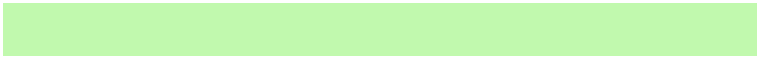
82.1448, 0.3204, 0.4144



82.1448, 0.2548, 0.2488

Square

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



82.1448, 0.3204, 0.4144



82.1448, 0.2217, 0.2854



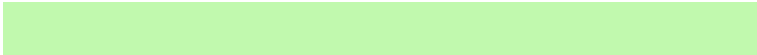
82.1448, 0.2985, 0.2589



82.1448, 0.4131, 0.3598

Rectangle

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



82.1448, 0.3204, 0.4144



82.1448, 0.2470, 0.3477



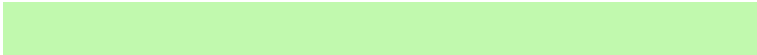
82.1448, 0.2985, 0.2589



82.1448, 0.3808, 0.3072

Sweetspot

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



82.1483, 0.3204, 0.4144



95.5015, 0.3153, 0.3519



79.2423, 0.3639, 0.3858



20.2948, 0.3157, 0.3559



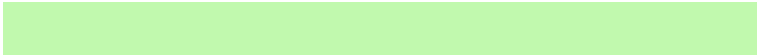
0.0000, 0.0000, 0.0000



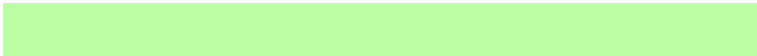
21.4041, 0.3127, 0.3290

Same Dimension

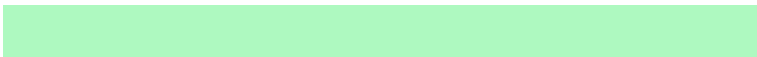
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1483, 0.3204, 0.4144



84.6646, 0.3215, 0.4338



80.5403, 0.2991, 0.3962



19.5214, 0.3154, 0.3533



36.8886, 0.3103, 0.5918



3.4646, 0.3184, 0.5854

Inverse Universe

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



53.9538, 0.3012, 0.2504



50.6028, 0.2981, 0.2343



56.2244, 0.3301, 0.2701



17.2905, 0.3097, 0.3053



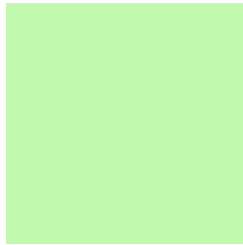
9.3193, 0.2575, 0.1192



0.9133, 0.2654, 0.1236

Previews

White Background



This preview shows how the Yxy color 82.1448, 0.3204, 0.4144 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 82.1448, 0.3204, 0.4144 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

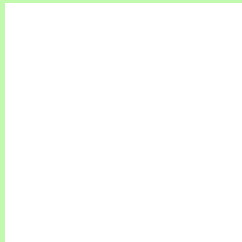
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1448, 0.3204, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 82.1448, 0.3204, 0.4144.

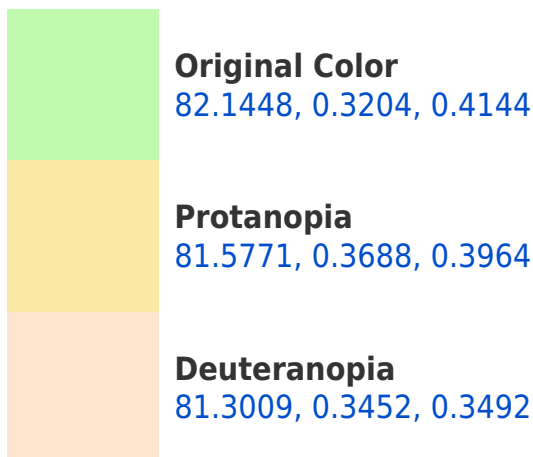


This preview shows how white text looks on a background with the Yxy color 82.1448, 0.3204, 0.4144.

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

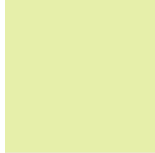
82.0707, 0.2851, 0.3112

Trichromacy



Original Color

82.1448, 0.3204, 0.4144



Protanomaly

81.4583, 0.3499, 0.4028



Deuteranomaly

81.1322, 0.3353, 0.3715



Tritanomaly

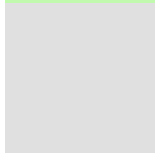
81.8326, 0.2979, 0.3464

Monochromacy



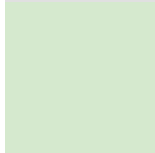
Original Color

82.1448, 0.3204, 0.4144



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.8802, 0.3161, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1448, 0.3204, 0.4144 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, 249, 174)` looks like.

```
.text, #text, p{  
    color:rgb(193, 249, 174)  
}
```

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, 249, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 249, 174) }
```

Border

The CSS property to change the border of an element to Yxy 82.1448, 0.3204, 0.4144 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, 249, 174) }
```

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

```
.border{ border-color:rgb(193, 249, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 249, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 249, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 249, 174); box-shadow:4px 4px 4px 4px rgb(193, 249, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1448, 0.3204, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 249, 174) }
```

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

```
.background{ background-color: rgb(193,  
249, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor