

Converting Colors

$Yxy(80.5597, 0.3379, 0.3932)$

Have a look what the booklet for
Yxy(80.5597, 0.3379, 0.3932)
contains.

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Color

Yxy(80.5579, 0.3379, 0.3932)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DEEFB4 |
| RGB | 222, 239, 180 |
| RGB Percent | 87%, 94%, 71% |
| CMY | 0.1295, 0.0627, 0.2940 |
| CMYK | 0.07, 0.00, 0.25, 0.06 |
| HSL | 77°, 65%, 82% |
| HSV | 77°, 25%, 94% |
| XYZ | 69.2282, 80.5579, 55.0916 |
| YIQ | 227.1910, 8.8070, -21.9530 |

Conversions

Conversions Part 2

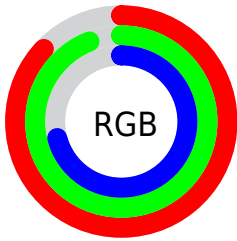
| Format | Color |
|-------------------------------------|---|
| RYB | 180, 239, 197 |
| Decimal | 14610356 |
| CIELab | 91.93, -15.37, 26.72 |
| CIELCh | 92, 30.828, 119.900 |
| Yxy | 80.5579, 0.3379, 0.3932 |
| Android (android.graphics.Color) | 4292800436 (0xFFDEEFB4) |
| YUV | 227.1910, -23.2652, -4.5525 |
| Hunter-Lab | 89.7541, -19.3908, 26.4353 |

Details

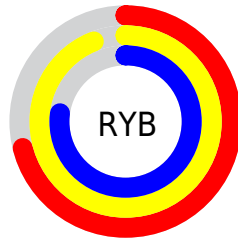
The Yxy color **80.5579, 0.3379, 0.3932** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.7599, 0.2828, 0.2613**, and the grayscale version is **77.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **43.5063, 0.3425, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **78.6030, 0.3476, 0.4208**, and if you desaturate by 10%, it is **82.7324, 0.3277, 0.3662**.

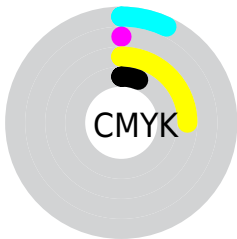
Distribution



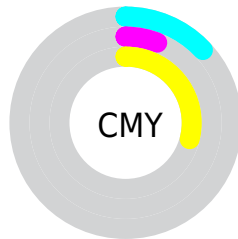
- Red (87%)
- Green (94%)
- Blue (71%)



- Red (71%)
- Yellow (94%)
- Blue (77%)



- Cyan (7%)
- Magenta (0%)
- Yellow (25%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5579, 0.3379, 0.3932 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 80.5579, 0.3379, 0.3932 by changing the saturation by 10% instead.


 80.5579, 0.3379,
0.3932

 80.5579, 0.3379,
0.3932


496.8110, 0.3270,
0.3633

 60.1776, 0.3402,
0.4000


 134.1498, 0.3343,
0.3828

 43.5618, 0.3429,
0.4085

168.1302, 0.3328,
0.3788

 30.3261, 0.3462,
0.4192


207.4127, 0.3315,
0.3753

 20.0863, 0.3501,
0.4331

252.3817, 0.3304,
0.3723

 12.4578, 0.3549,
0.4518

303.4217, 0.3294,
0.3696

 7.0562, 0.3605,
0.4782

360.9170, 0.3285,

 3.4973, 0.3665,

0.3673

0.5185

425.2519, 0.3277,
0.3652

■ 1.3965, 0.3869,
0.6131

■ 0.2142, 0.0000,
1.0000

■ 80.5579, 0.3379,
0.3932

■ 80.5579, 0.3379,
0.3932

■ 78.6030, 0.3476,
0.4208

■ 82.7324, 0.3277,
0.3662

■ 76.8480, 0.3564,
0.4481

■ 85.1243, 0.3175,
0.3405

■ 75.2864, 0.3637,
0.4741

■ 87.7453, 0.3074,
0.3164

■ 73.9073, 0.3690,
0.4974

■ 89.2022, 0.3099,
0.3135

■ 72.6985, 0.3720,
0.5169

■ 90.2172, 0.3134,
0.3136

■ 71.6459, 0.3724,
0.5318

■ 70.7322, 0.3702,
0.5418

■ 70.2891, 0.3684,
0.5457

Harmonies

Analogous

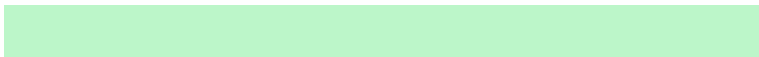
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5579, 0.3681, 0.3871



80.5579, 0.3379, 0.3932



80.5579, 0.3021, 0.3794

Triad

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



80.5579, 0.3379, 0.3932



80.5579, 0.2464, 0.2869



80.5579, 0.3554, 0.3085

Complementary

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



80.5579, 0.3379, 0.3932



50.7599, 0.2828, 0.2613

Split Complementary

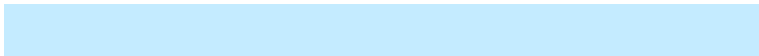
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5579, 0.3204, 0.2852



80.5579, 0.3379, 0.3932



80.5579, 0.2586, 0.2721

Square

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



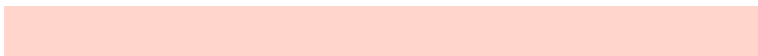
80.5579, 0.3379, 0.3932



80.5579, 0.2505, 0.3147



80.5579, 0.2850, 0.2720



80.5579, 0.3791, 0.3373

Rectangle

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



80.5579, 0.3379, 0.3932



80.5579, 0.2800, 0.3606



80.5579, 0.2850, 0.2720



80.5579, 0.3445, 0.2998

Sweetspot

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



80.5614, 0.3379, 0.3932



97.9395, 0.3199, 0.3464



61.4605, 0.3603, 0.3474



20.9264, 0.3205, 0.3479



0.0000, 0.0000, 0.0000



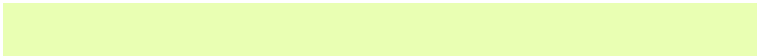
21.4041, 0.3127, 0.3290

Same Dimension

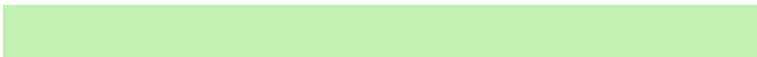
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5614, 0.3379, 0.3932



92.0662, 0.3433, 0.4082



76.3450, 0.3178, 0.3974



18.2167, 0.3224, 0.3526



38.9108, 0.3692, 0.5450



3.2875, 0.3760, 0.5396

Inverse Universe

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



50.7599, 0.2828, 0.2613



51.6182, 0.2749, 0.2444



55.0897, 0.3054, 0.2656



15.4496, 0.3025, 0.3049



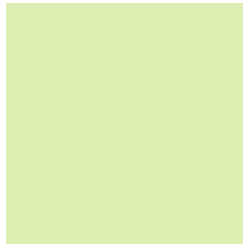
4.2000, 0.1688, 0.0704



0.3983, 0.1825, 0.0779

Previews

White Background



This preview shows how the Yxy color 80.5579, 0.3379, 0.3932 looks on a white background.

Color Contrast Check

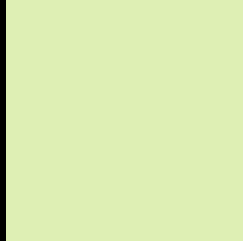
Large Text (above 18pt) WCAG AA × Fail

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 80.5579, 0.3379, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

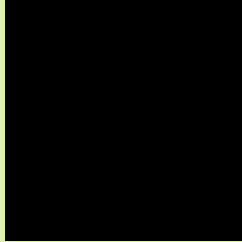
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

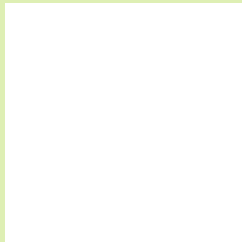
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5579, 0.3379, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 80.5579, 0.3379, 0.3932.

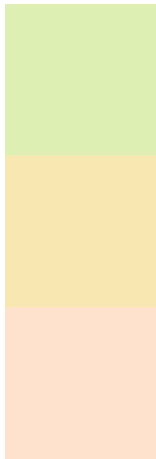


This preview shows how white text looks on a background with the Yxy color 80.5579, 0.3379, 0.3932.

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**

80.5579, 0.3379, 0.3932

Protanopia

80.2429, 0.3612, 0.3858

Deuteranopia

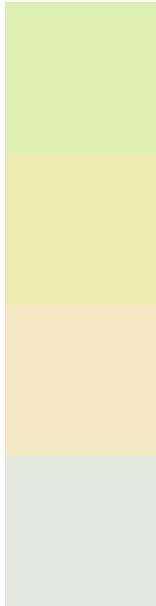
80.0605, 0.3477, 0.3503



Tritanopia

80.3599, 0.3022, 0.3106

Trichromacy



Original Color

80.5579, 0.3379, 0.3932

Protanomaly

80.3707, 0.3531, 0.3890

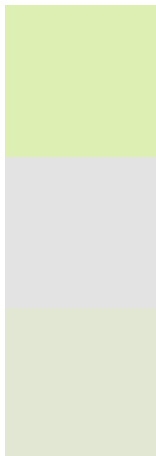
Deuteranomaly

80.1920, 0.3441, 0.3655

Tritanomaly

80.0995, 0.3156, 0.3395

Monochromacy



Original Color

80.5579, 0.3379, 0.3932

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.8125, 0.3220, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5579, 0.3379, 0.3932 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(222, 239, 180)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 180)  
}
```

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(222, 239, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 180) }
```

Border

The CSS property to change the border of an element to Yxy 80.5579, 0.3379, 0.3932 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(222, 239, 180) }
```

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

```
.border{ border-color:rgb(222, 239, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 239, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 239, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 239, 180);  
box-shadow:4px 4px 4px 4px rgb(222, 239,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5579, 0.3379, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 180) }
```

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

```
.background{ background-color: rgb(222,  
239, 180) }
```

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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