

Converting Colors

$Yxy(80.7460, 0.3401, 0.4086)$

Have a look what the booklet for
Yxy(80.7460, 0.3401, 0.4086)
contains.

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Color

Yxy(80.9678, 0.3399, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	D8F2A9
RGB	216, 242, 169
RGB Percent	85%, 95%, 66%
CMY	0.1528, 0.0510, 0.3373
CMYK	0.11, 0.00, 0.30, 0.05
HSL	81°, 74%, 81%
HSV	81°, 30%, 95%
XYZ	67.2391, 80.9678, 49.6133
YIQ	225.9040, 7.9370, -28.2150

Conversions

Conversions Part 2

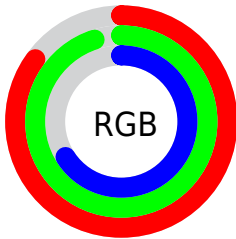
Format	Color
RYB	169, 242, 195
Decimal	14217897
CIELab	92.12, -20.51, 32.51
CIElCh	92, 38.435, 122.244
Yxy	80.9678, 0.3399, 0.4093
Android (android.graphics.Color)	4292407977 (0xFFD8F2A9)
YUV	225.9040, -28.0537, -8.6858
Hunter-Lab	89.9821, -24.0847, 30.2968

Details

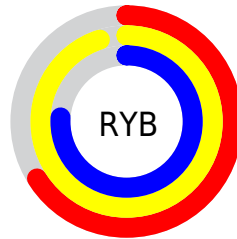
The Yxy color **80.9678, 0.3399, 0.4093** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.3774, 0.2785, 0.2450**, and the grayscale version is **76.1879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **43.8523, 0.3445, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **78.8682, 0.3480, 0.4377**, and if you desaturate by 10%, it is **83.3114, 0.3311, 0.3813**.

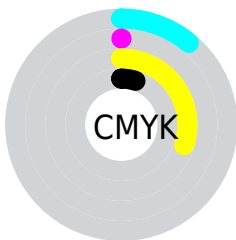
Distribution



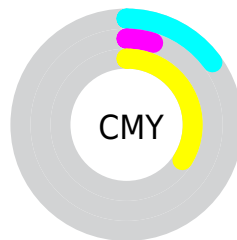
- Red (85%)
- Green (95%)
- Blue (66%)



- Red (66%)
- Yellow (95%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9678, 0.3399, 0.4093 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 80.9678, 0.3399, 0.4093 by changing the saturation by 10% instead.


 80.9678, 0.3399,
0.4093

 80.9678, 0.3399,
0.4093

498.1884, 0.3285,
0.3717

 60.5151, 0.3422,
0.4179


 134.7256, 0.3362,
0.3962

 43.8339, 0.3448,
0.4285

168.7994, 0.3347,
0.3911

 30.5400, 0.3479,
0.4420


208.1824, 0.3333,
0.3868

 20.2488, 0.3514,
0.4594

253.2589, 0.3321,
0.3830

 12.5760, 0.3551,
0.4828

304.4134, 0.3311,
0.3796

 7.1373, 0.3584,
0.5154

362.0302, 0.3301,

 3.5481, 0.3645,

0.3767

426.4937, 0.3292,
0.3741

0.5721

1.4241, 0.3522,
0.6478

0.2344, 0.0000,
1.0000

80.9678, 0.3399,
0.4093

80.9678, 0.3399,
0.4093

78.8682, 0.3480,
0.4377

83.3114, 0.3311,
0.3813

76.9915, 0.3548,
0.4655

85.8979, 0.3220,
0.3545

75.3301, 0.3599,
0.4914

88.7399, 0.3129,
0.3294

73.8714, 0.3628,
0.5142

91.1314, 0.3104,
0.3164

■ 72.6015, 0.3633,
0.5326

■ 91.9829, 0.3133,
0.3165

■ 71.5035, 0.3612,
0.5459

■ 70.5653, 0.3572,
0.5546

Harmonies

Analogous

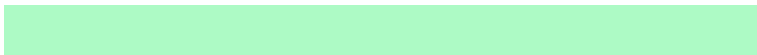
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9678, 0.3786, 0.4022



80.9678, 0.3399, 0.4093



80.9678, 0.2956, 0.3904

Triad

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



80.9678, 0.3399, 0.4093



80.9678, 0.2318, 0.2743



80.9678, 0.3688, 0.3060

Complementary

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



80.9678, 0.3399, 0.4093



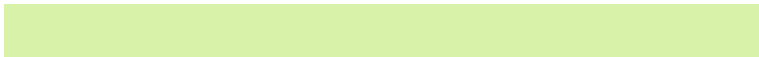
46.3774, 0.2785, 0.2450

Split Complementary

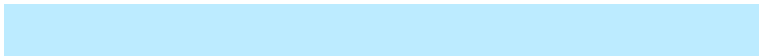
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9678, 0.3255, 0.2772



80.9678, 0.3399, 0.4093



80.9678, 0.2480, 0.2584

Square

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



80.9678, 0.3399, 0.4093



80.9678, 0.2351, 0.3073



80.9678, 0.2813, 0.2601



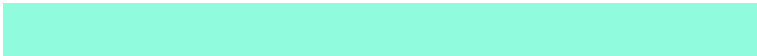
80.9678, 0.3970, 0.3412

Rectangle

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



80.9678, 0.3399, 0.4093



80.9678, 0.2690, 0.3654



80.9678, 0.2813, 0.2601



80.9678, 0.3554, 0.2954

Sweetspot

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



80.9714, 0.3399, 0.4093



97.0940, 0.3209, 0.3516



60.5658, 0.3725, 0.3570



20.6863, 0.3223, 0.3553



0.0000, 0.0000, 0.0000



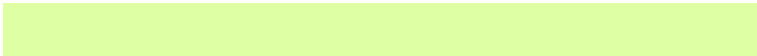
21.4041, 0.3127, 0.3290

Same Dimension

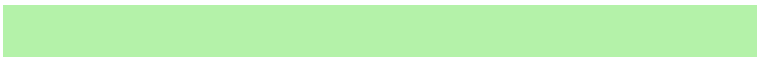
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9714, 0.3399, 0.4093



89.7574, 0.3448, 0.4262



76.0630, 0.3155, 0.4158



18.1616, 0.3213, 0.3527



37.9885, 0.3582, 0.5538



3.2158, 0.3663, 0.5474

Inverse Universe

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



46.3774, 0.2785, 0.2450



45.2003, 0.2701, 0.2265



51.7786, 0.3073, 0.2518



15.5022, 0.3035, 0.3050



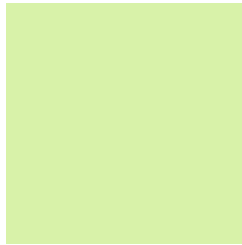
4.5776, 0.1777, 0.0753



0.4347, 0.1921, 0.0832

Previews

White Background



This preview shows how the Yxy color 80.9678, 0.3399, 0.4093 looks on a white background.

Color Contrast Check

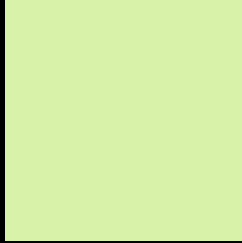
Large Text (above 18pt) WCAG AA × Fail

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 80.9678, 0.3399, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

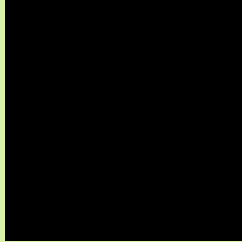
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

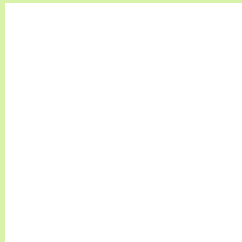
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9678, 0.3399, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 80.9678, 0.3399, 0.4093.

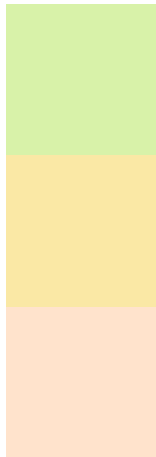


This preview shows how white text looks on a background with the Yxy color 80.9678, 0.3399, 0.4093.

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

80.9678, 0.3399, 0.4093

Protanopia

80.7538, 0.3697, 0.3977

Deuteranopia

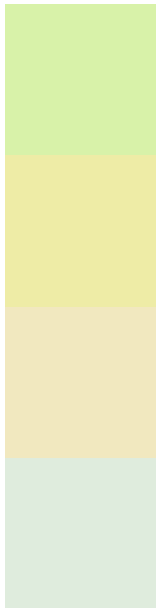
80.5578, 0.3482, 0.3523



Tritanopia

80.9462, 0.2984, 0.3105

Trichromacy



Original Color

80.9678, 0.3399, 0.4093

Protanomaly

80.9212, 0.3590, 0.4027

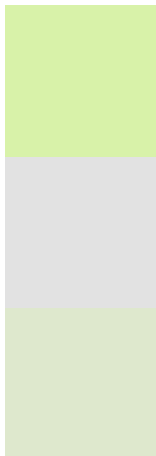
Deuteranomaly

80.1756, 0.3458, 0.3720

Tritanomaly

80.8993, 0.3133, 0.3449

Monochromacy



Original Color

80.9678, 0.3399, 0.4093

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.6506, 0.3230, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9678, 0.3399, 0.4093 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(216, 242, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 242, 169)  
}
```

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(216, 242, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 242, 169) }
```

Border

The CSS property to change the border of an element to Yxy 80.9678, 0.3399, 0.4093 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(216, 242, 169) }
```

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

```
.border{ border-color:rgb(216, 242, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 242, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 242, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 242, 169);  
box-shadow:4px 4px 4px 4px rgb(216, 242,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9678, 0.3399, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 242, 169) }
```

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

```
.background{ background-color: rgb(216,  
242, 169) }
```

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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