

Converting Colors

$Y_{xy}(199.9106, 0.3172, 0.4954)$

Have a look what the booklet for
Yxy(199.9106, 0.3172, 0.4954)
contains.

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Color

Yxy(89.7616, 0.3319, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFB5
RGB	218, 255, 181
RGB Percent	85%, 100%, 71%
CMY	0.1453, 0.0000, 0.2902
CMYK	0.15, 0.00, 0.29, 0.00
HSL	90°, 100%, 85%
HSV	90°, 29%, 100%
XYZ	73.0014, 89.7616, 57.1870
YIQ	235.5010, 1.7020, -30.8580

Conversions

Conversions Part 2

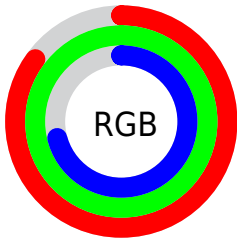
Format	Color
RYB	181, 255, 218
Decimal	14352309
CIELab	95.90, -24.42, 31.56
CIELCh	96, 39.907, 127.731
Yxy	89.7616, 0.3319, 0.4081
Android (android.graphics.Color)	4292542389 (0xFFDAFFB5)
YUV	235.5010, -26.8690, -15.3484
Hunter-Lab	94.7426, -28.2611, 30.5321

Details

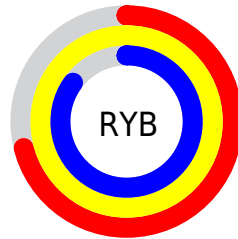
The Yxy color **89.7616, 0.3319, 0.4081** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.1749, 0.2879, 0.2501**, and the grayscale version is **83.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **49.6281, 0.3345, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **86.9083, 0.3376, 0.4382**, and if you desaturate by 10%, it is **92.9416, 0.3255, 0.3790**.

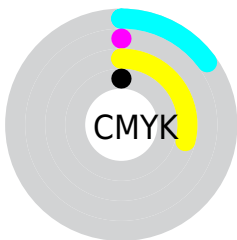
Distribution



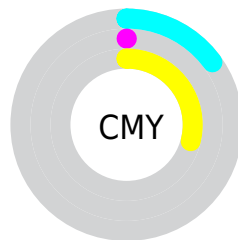
- Red (85%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (85%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7616, 0.3319, 0.4081 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 89.7616, 0.3319, 0.4081 by changing the saturation by 10% instead.


 89.7616, 0.3319,
0.4081

 89.7616, 0.3319,
0.4081


527.2550, 0.3242,
0.3716

 67.7829, 0.3333,
0.4164


 147.0072, 0.3295,
0.3955

 49.7212, 0.3350,
0.4265


183.0429, 0.3285,
0.3905

 35.1919, 0.3368,
0.4393


224.5331, 0.3276,
0.3863

 23.8107, 0.3387,
0.4558


271.8622, 0.3268,
0.3826

 15.1933, 0.3405,
0.4778

325.4145, 0.3261,
0.3793

 8.9551, 0.3416,
0.5083

385.5745, 0.3254,

 4.7119, 0.3398,

0.3764

0.5528

452.7266, 0.3248,
0.3739

■ 2.0793, 0.3458,
0.6542

■ 0.6529, 0.0360,
0.9640

■ 89.7616, 0.3319,
0.4081

■ 89.7616, 0.3319,
0.4081

■ 86.9083, 0.3376,
0.4382

■ 92.9416, 0.3255,
0.3790


■ 84.3925, 0.3421,
0.4684

■ 96.4859, 0.3188,
0.3518


■ 82.1911, 0.3450,
0.4972


100.0000, 0.3127,
0.3290

■ 80.2875, 0.3459,
0.5232

 78.6635, 0.3446,
0.5447

 77.2977, 0.3411,
0.5607

 76.1605, 0.3357,
0.5712

 76.0585, 0.3352,
0.5721

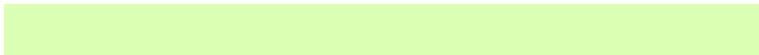
Harmonies

Analogous

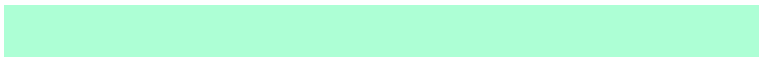
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7616, 0.3727, 0.4055



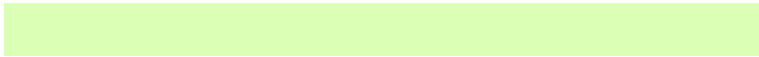
89.7616, 0.3319, 0.4081



89.7616, 0.2878, 0.3845

Triad

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



89.7616, 0.3319, 0.4081



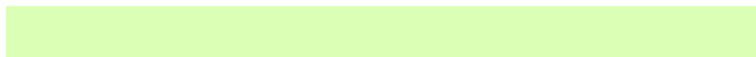
89.7616, 0.2331, 0.2699



89.7616, 0.3757, 0.3121

Complementary

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



89.7616, 0.3319, 0.4081



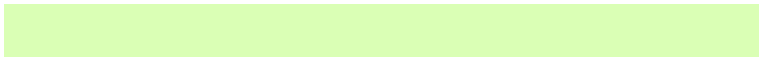
55.1749, 0.2879, 0.2501

Split Complementary

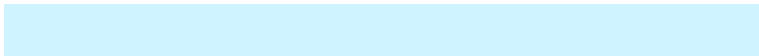
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7616, 0.3339, 0.2816



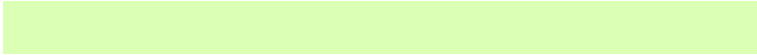
89.7616, 0.3319, 0.4081



89.7616, 0.2527, 0.2572

Square

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



89.7616, 0.3319, 0.4081



89.7616, 0.2328, 0.3001



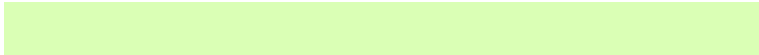
89.7616, 0.2887, 0.2619



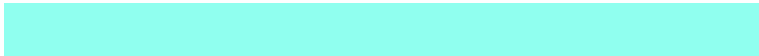
89.7616, 0.3998, 0.3478

Rectangle

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



89.7616, 0.3319, 0.4081



89.7616, 0.2624, 0.3577



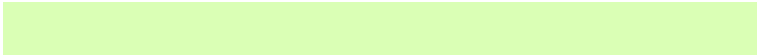
89.7616, 0.2887, 0.2619



89.7616, 0.3631, 0.3010

Sweetspot

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



89.7534, 0.3319, 0.4081



96.4948, 0.3188, 0.3517



74.7357, 0.3667, 0.3671



20.5386, 0.3198, 0.3555



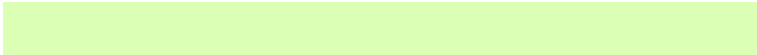
0.0000, 0.0000, 0.0000



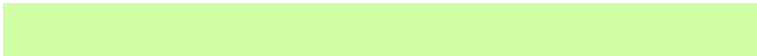
21.4041, 0.3127, 0.3290

Same Dimension

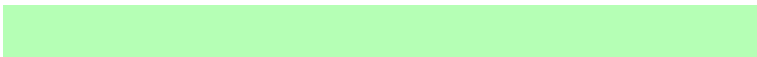
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7534, 0.3319, 0.4081



88.0127, 0.3354, 0.4260



84.6782, 0.3087, 0.4140



20.6137, 0.3192, 0.3530



39.8309, 0.3364, 0.5711



3.9431, 0.3449, 0.5643

Inverse Universe

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



55.1749, 0.2879, 0.2501



48.1664, 0.2814, 0.2323



61.5233, 0.3161, 0.2565



17.8245, 0.3058, 0.3050



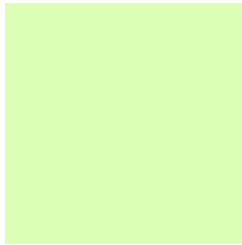
6.2454, 0.2022, 0.0888



0.6730, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 89.7616, 0.3319, 0.4081 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 89.7616, 0.3319, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

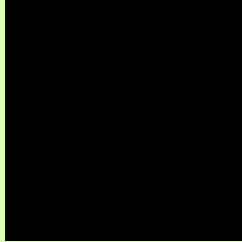
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

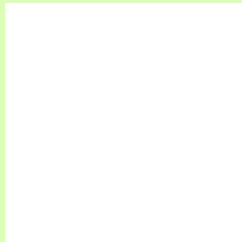
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7616, 0.3319, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 89.7616, 0.3319, 0.4081.

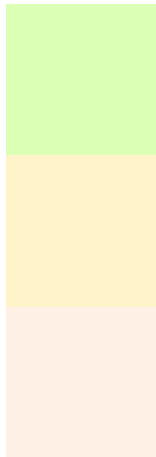


This preview shows how white text looks on a background with the Yxy color 89.7616, 0.3319, 0.4081.

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

89.7616, 0.3319, 0.4081

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.2373, 0.3296, 0.3399



Tritanopia

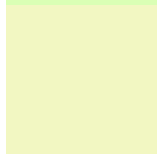
89.7542, 0.3012, 0.3181

Trichromacy



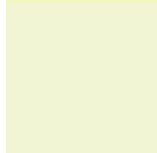
Original Color

89.7616, 0.3319, 0.4081



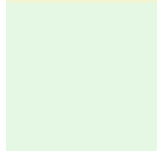
Protanomaly

89.2938, 0.3417, 0.3833



Deuteranomaly

88.9355, 0.3309, 0.3626



Tritanomaly

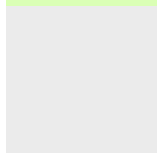
89.3943, 0.3124, 0.3496

Monochromacy



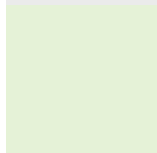
Original Color

89.7616, 0.3319, 0.4081



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0686, 0.3206, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7616, 0.3319, 0.4081 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(218, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 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(218, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 89.7616, 0.3319, 0.4081 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(218, 255, 181) }
```

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

```
.border{ border-color:rgb(218, 255, 181) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7616, 0.3319, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 181) }
```

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

```
.background{ background-color: rgb(218,  
255, 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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