

Converting Colors

$Y_{xy}(100.0000, 0.3210, 0.4086)$

Have a look what the booklet for
Yxy(100.0000, 0.3210, 0.4086)
contains.

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Color

Yxy(89.8621, 0.3226, 0.3943)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D7FFC2 |
| RGB | 215, 255, 194 |
| RGB Percent | 84%, 100%, 76% |
| CMY | 0.1569, 0.0000, 0.2391 |
| CMYK | 0.16, 0.00, 0.24, 0.00 |
| HSL | 99°, 100%, 88% |
| HSV | 99°, 24%, 100% |
| XYZ | 73.5215, 89.8621, 64.5193 |
| YIQ | 236.0860, -4.2590, -27.4510 |

Conversions

Conversions Part 2

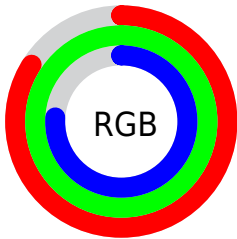
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 194, 255, 234 |
| Decimal | 14155714 |
| CIELab | 95.94, -23.52, 25.01 |
| CIELCh | 96, 34.332, 133.233 |
| Yxy | 89.8621, 0.3226, 0.3943 |
| Android (android.graphics.Color) | 4292345794 (0xFFD7FFC2) |
| YUV | 236.0860, -20.7484, -18.4924 |
| Hunter-Lab | 94.7956, -27.4515, 26.0033 |

Details

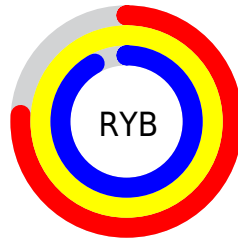
The Yxy color **89.8621, 0.3226, 0.3943** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.3095, 0.2999, 0.2664**, and the grayscale version is **84.1133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **49.7552, 0.3244, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **86.4079, 0.3261, 0.4254**, and if you desaturate by 10%, it is **93.7712, 0.3186, 0.3652**.

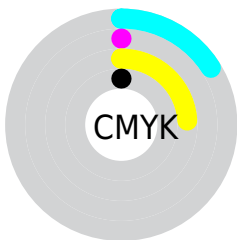
Distribution



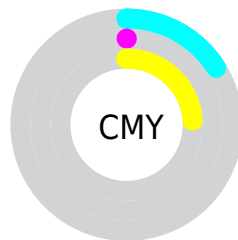
- Red (84%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (92%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8621, 0.3226, 0.3943 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 89.8621, 0.3226, 0.3943 by changing the saturation by 10% instead.


 89.8621, 0.3226,
0.3943

 89.8621, 0.3226,
0.3943

527.5822, 0.3188,
0.3642

 67.8663, 0.3233,
0.4011


 147.1468, 0.3214,
0.3839

 49.7890, 0.3240,
0.4096

183.2045, 0.3209,
0.3798

 35.2457, 0.3248,
0.4202


224.7183, 0.3205,
0.3763

 23.8522, 0.3256,
0.4340

272.0725, 0.3201,
0.3732

 15.2240, 0.3262,
0.4525

325.6517, 0.3197,
0.3706

 8.9768, 0.3262,
0.4787

385.8400, 0.3194,

 4.7260, 0.3241,

0.3682

0.5180

453.0221, 0.3191,
0.3661

■ 2.0874, 0.3335,
0.6156

■ 0.6575, 0.0718,
0.9282

■ 89.8621, 0.3226,
0.3943

■ 89.8621, 0.3226,
0.3943

■ 86.4079, 0.3261,
0.4254

■ 93.7712, 0.3186,
0.3652

■ 83.3919, 0.3287,
0.4576

■ 98.1530, 0.3144,
0.3387

■ 80.7946, 0.3302,
0.4897

100.0000, 0.3127,
0.3290

■ 78.5956, 0.3302,
0.5199

■ 76.7721, 0.3285,
0.5462

■ 75.2987, 0.3251,
0.5669

■ 74.1460, 0.3202,
0.5809

■ 73.5800, 0.3169,
0.5866

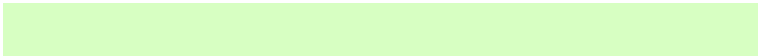
Harmonies

Analogous

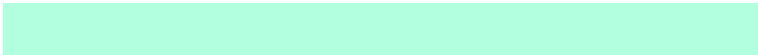
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8621, 0.3590, 0.3968



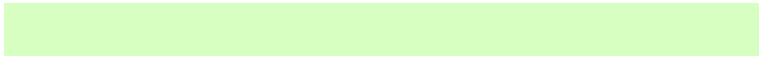
89.8621, 0.3226, 0.3943



89.8621, 0.2850, 0.3705

Triad

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



89.8621, 0.3226, 0.3943



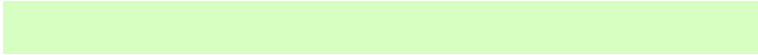
89.8621, 0.2455, 0.2748



89.8621, 0.3721, 0.3202

Complementary

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



89.8621, 0.3226, 0.3943



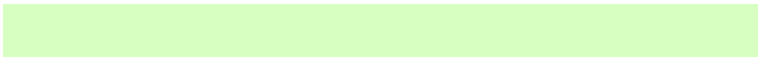
63.3095, 0.2999, 0.2664

Split Complementary

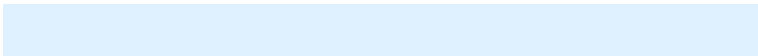
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8621, 0.3383, 0.2921



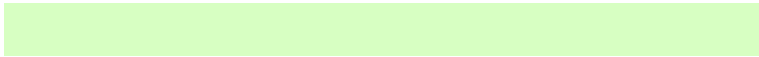
89.8621, 0.3226, 0.3943



89.8621, 0.2656, 0.2663

Square

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



89.8621, 0.3226, 0.3943



89.8621, 0.2420, 0.2987



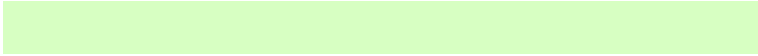
89.8621, 0.2991, 0.2728



89.8621, 0.3890, 0.3517

Rectangle

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



89.8621, 0.3226, 0.3943



89.8621, 0.2642, 0.3468



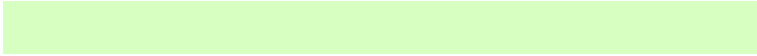
89.8621, 0.2991, 0.2728



89.8621, 0.3622, 0.3102

Sweetspot

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



89.8617, 0.3226, 0.3943



96.7493, 0.3157, 0.3466



83.8064, 0.3536, 0.3690



20.6507, 0.3160, 0.3482



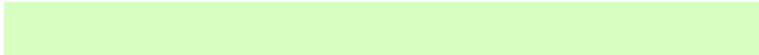
0.0000, 0.0000, 0.0000



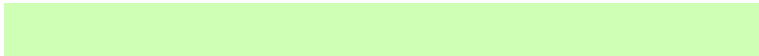
21.4041, 0.3127, 0.3290

Same Dimension

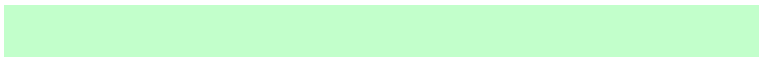
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8617, 0.3226, 0.3943



88.0492, 0.3244, 0.4099



87.3117, 0.3045, 0.3864



20.4718, 0.3168, 0.3532



38.5211, 0.3180, 0.5857



3.8084, 0.3266, 0.5789

Inverse Universe

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



63.3095, 0.2999, 0.2664



57.0396, 0.2965, 0.2522



66.4971, 0.3221, 0.2777



17.9694, 0.3083, 0.3052



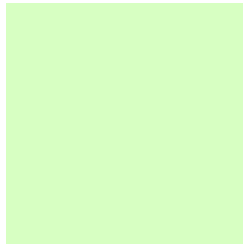
8.1685, 0.2357, 0.1072



0.8559, 0.2455, 0.1126

Previews

White Background



This preview shows how the Yxy color 89.8621, 0.3226, 0.3943 looks on a white background.

Color Contrast Check

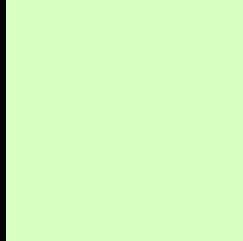
Large Text (above 18pt) WCAG AA × Fail

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 89.8621, 0.3226, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

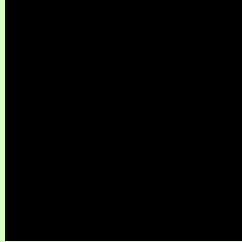
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

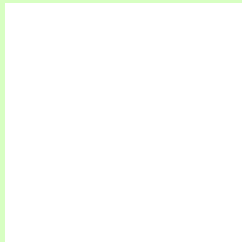
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8621, 0.3226, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 89.8621, 0.3226, 0.3943.

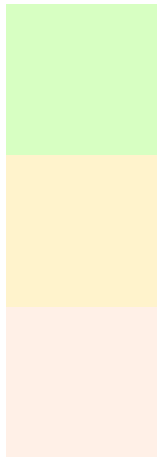


This preview shows how white text looks on a background with the Yxy color 89.8621, 0.3226, 0.3943.

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

89.8621, 0.3226, 0.3943

Protanopia

89.7208, 0.3452, 0.3678

Deuteranopia

89.3497, 0.3283, 0.3379



Tritanopia

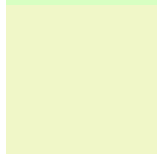
89.4138, 0.2999, 0.3180

Trichromacy



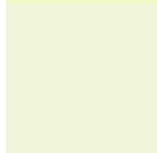
Original Color

89.8621, 0.3226, 0.3943



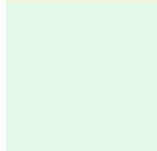
Protanomaly

89.2169, 0.3367, 0.3772



Deuteranomaly

88.8920, 0.3258, 0.3565



Tritanomaly

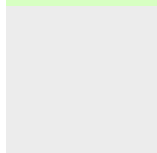
89.3489, 0.3082, 0.3444

Monochromacy



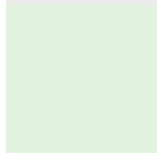
Original Color

89.8621, 0.3226, 0.3943



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8156, 0.3162, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8621, 0.3226, 0.3943 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(215, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 194)  
}
```

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(215, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 89.8621, 0.3226, 0.3943 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(215, 255, 194) }
```

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

```
.border{ border-color:rgb(215, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8621, 0.3226, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 194) }
```

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

```
.background{ background-color: rgb(215,  
255, 194) }
```

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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