

Converting Colors

$Y_{xy}(106.2387, 0.3184, 0.4183)$

Have a look what the booklet for
Yxy(106.2387, 0.3184, 0.4183)
contains.

Yxy(89.2191, 0.3206, 0.3959)	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(89.2191, 0.3206, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	D3FFC1
RGB	211, 255, 193
RGB Percent	83%, 100%, 76%
CMY	0.1726, 0.0000, 0.2430
CMYK	0.17, 0.00, 0.24, 0.00
HSL	103°, 100%, 88%
HSV	103°, 24%, 100%
XYZ	72.2497, 89.2191, 63.8889
YIQ	234.7760, -6.3220, -28.6100

Conversions

Conversions Part 2

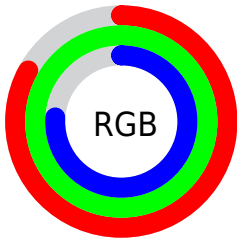
Format	Color
RYB	193, 255, 237
Decimal	13893569
CIELab	95.67, -25.02, 25.10
CIELCh	96, 35.444, 134.913
Yxy	89.2191, 0.3206, 0.3959
Android (android.graphics.Color)	4292083649 (0xFFD3FFC1)
YUV	234.7760, -20.5956, -20.8516
Hunter-Lab	94.4559, -28.7624, 26.0160

Details

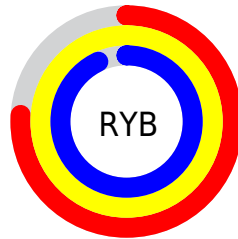
The Yxy color **89.2191, 0.3206, 0.3959** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.3935, 0.3022, 0.2658**, and the grayscale version is **83.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **49.3202, 0.3219, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **85.6503, 0.3232, 0.4275**, and if you desaturate by 10%, it is **93.2849, 0.3175, 0.3664**.

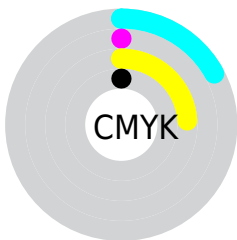
Distribution



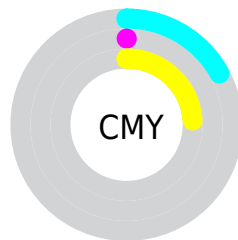
- Red (83%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2191, 0.3206, 0.3959 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 89.2191, 0.3206, 0.3959 by changing the saturation by 10% instead.


 89.2191, 0.3206,
0.3959

 89.2191, 0.3206,
0.3959


525.4873, 0.3177,
0.3649

 67.3332, 0.3211,
0.4030


 146.2532, 0.3198,
0.3852

 49.3554, 0.3215,
0.4117


182.1702, 0.3194,
0.3810

 34.9015, 0.3220,
0.4226

223.5329, 0.3191,
0.3774

 23.5870, 0.3223,
0.4369

270.7258, 0.3187,
0.3742

 15.0275, 0.3223,
0.4562

324.1334, 0.3185,
0.3715

 8.8387, 0.3214,
0.4835

384.1398, 0.3182,

 4.6361, 0.3180,

0.3690

0.5247

451.1297, 0.3180,
0.3669

2.0354, 0.3269,
0.6314

0.6279, 0.0000,
1.0000

89.2191, 0.3206,
0.3959

89.2191, 0.3206,
0.3959

85.6503, 0.3232,
0.4275

93.2849, 0.3175,
0.3664

82.5597, 0.3250,
0.4605

97.8677, 0.3142,
0.3397

79.9253, 0.3257,
0.4933

100.0000, 0.3127,
0.3290

77.7239, 0.3251,
0.5241

■ 75.9301, 0.3230,
0.5508

■ 74.5152, 0.3195,
0.5716

■ 73.4461, 0.3149,
0.5853

■ 72.9696, 0.3121,
0.5904

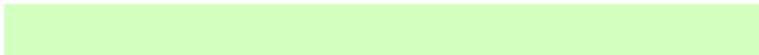
Harmonies

Analogous

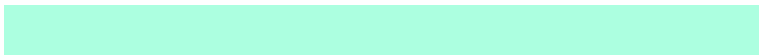
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2191, 0.3586, 0.3996



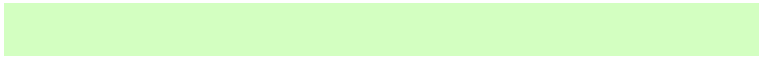
89.2191, 0.3206, 0.3959



89.2191, 0.2820, 0.3702

Triad

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



89.2191, 0.3206, 0.3959



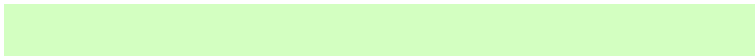
89.2191, 0.2440, 0.2721



89.2191, 0.3757, 0.3216

Complementary

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



89.2191, 0.3206, 0.3959



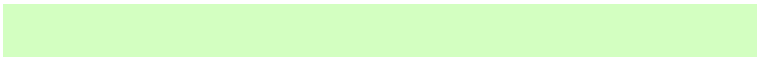
63.3935, 0.3022, 0.2658

Split Complementary

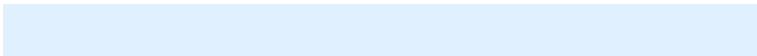
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2191, 0.3414, 0.2923



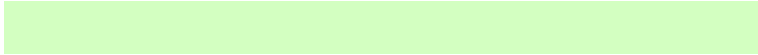
89.2191, 0.3206, 0.3959



89.2191, 0.2657, 0.2642

Square

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



89.2191, 0.3206, 0.3959



89.2191, 0.2394, 0.2958



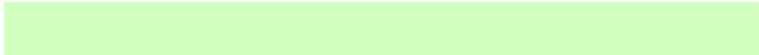
89.2191, 0.3008, 0.2718



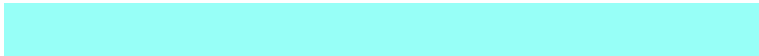
89.2191, 0.3920, 0.3541

Rectangle

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



89.2191, 0.3206, 0.3959



89.2191, 0.2610, 0.3451



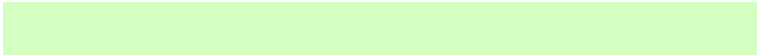
89.2191, 0.3008, 0.2718



89.2191, 0.3658, 0.3112

Sweetspot

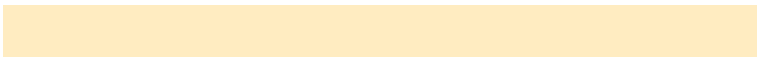
The Sweet Spot groups the original color and five complimentary colors.



89.2187, 0.3206, 0.3959



96.5769, 0.3151, 0.3466



85.3411, 0.3536, 0.3727



20.6109, 0.3153, 0.3482



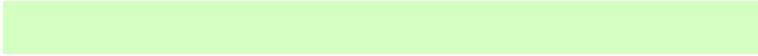
0.0000, 0.0000, 0.0000



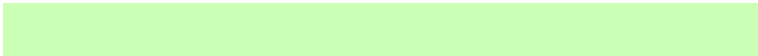
21.4041, 0.3127, 0.3290

Same Dimension

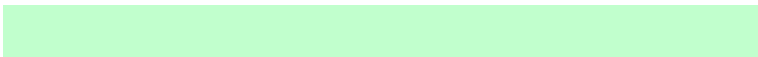
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2187, 0.3206, 0.3959



87.4797, 0.3219, 0.4105



87.2919, 0.3027, 0.3839



20.4229, 0.3159, 0.3533



38.1938, 0.3131, 0.5896



3.7717, 0.3212, 0.5832

Inverse Universe

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



63.3935, 0.3022, 0.2658



57.7105, 0.2996, 0.2529



65.8663, 0.3246, 0.2797



18.0207, 0.3091, 0.3052



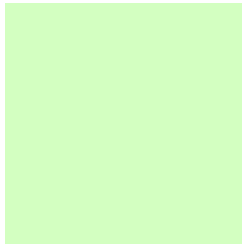
8.9958, 0.2486, 0.1143



0.9318, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 89.2191, 0.3206, 0.3959 looks on a white background.

Color Contrast Check

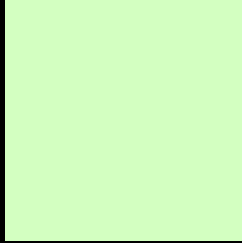
Large Text (above 18pt) WCAG AA × Fail

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 89.2191, 0.3206, 0.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

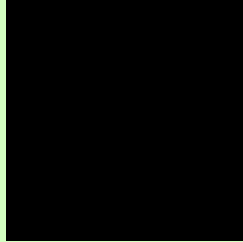
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

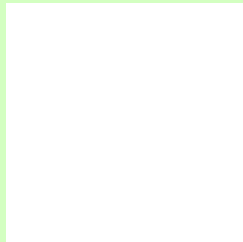
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2191, 0.3206, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 89.2191, 0.3206, 0.3959.

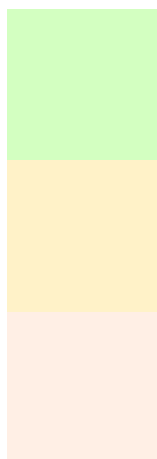


This preview shows how white text looks on a background with the Yxy color 89.2191, 0.3206, 0.3959.

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

89.2191, 0.3206, 0.3959

Protanopia

88.9344, 0.3479, 0.3709

Deuteranopia

88.6501, 0.3297, 0.3389



Tritanopia

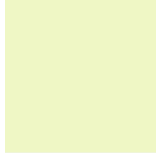
88.9103, 0.2981, 0.3179

Trichromacy



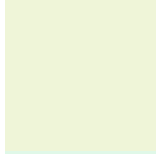
Original Color

89.2191, 0.3206, 0.3959



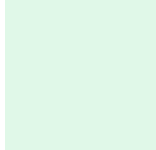
Protanomaly

88.9035, 0.3378, 0.3805



Deuteranomaly

88.6134, 0.3264, 0.3586



Tritanomaly

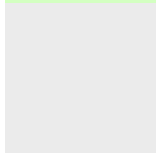
88.8083, 0.3069, 0.3455

Monochromacy



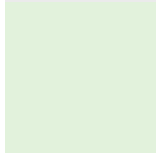
Original Color

89.2191, 0.3206, 0.3959



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8403, 0.3156, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2191, 0.3206, 0.3959 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(211, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 193)  
}
```

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(211, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 89.2191, 0.3206, 0.3959 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(211, 255, 193) }
```

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

```
.border{ border-color:rgb(211, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2191, 0.3206, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 193) }
```

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

```
.background{ background-color: rgb(211,  
255, 193) }
```

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