

Converting Colors

$Y_{xy}(104.6381, 0.3172, 0.4119)$

Have a look what the booklet for
Yxy(104.6381, 0.3172, 0.4119)
contains.

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Color

Yxy(89.5483, 0.3190, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFC5
RGB	212, 255, 197
RGB Percent	83%, 100%, 77%
CMY	0.1687, 0.0000, 0.2275
CMYK	0.17, 0.00, 0.23, 0.00
HSL	105°, 100%, 89%
HSV	105°, 23%, 100%
XYZ	72.9839, 89.5483, 66.2575
YIQ	235.5310, -7.0100, -27.1540

Conversions

Conversions Part 2

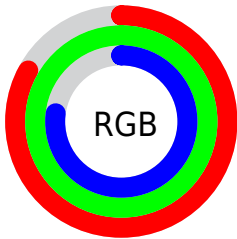
Format	Color
RYB	197, 255, 240
Decimal	13959109
CIELab	95.81, -24.08, 23.29
CIElCh	96, 33.499, 135.946
Yxy	89.5483, 0.3190, 0.3914
Android (android.graphics.Color)	4292149189 (0xFFD4FFC5)
YUV	235.5310, -18.9958, -20.6367
Hunter-Lab	94.6300, -27.9332, 24.7276

Details

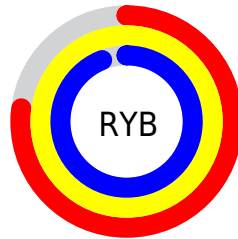
The Yxy color **89.5483, 0.3190, 0.3914** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.6791, 0.3043, 0.2703**, and the grayscale version is **83.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **49.5394, 0.3199, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **85.8251, 0.3212, 0.4230**, and if you desaturate by 10%, it is **93.7914, 0.3164, 0.3622**.

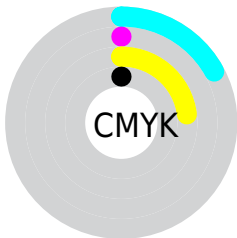
Distribution



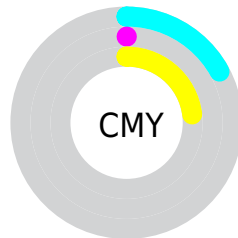
- Red (83%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5483, 0.3190, 0.3914 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 89.5483, 0.3190, 0.3914 by changing the saturation by 10% instead.

 89.5483, 0.3190,
0.3914

 89.5483, 0.3190,
0.3914

526.5604, 0.3168,
0.3626

 67.6061, 0.3193,
0.3980

146.7108, 0.3184,
0.3814

 49.5773, 0.3197,
0.4060


182.6999, 0.3181,
0.3775

 35.0777, 0.3200,
0.4163


224.1400, 0.3178,
0.3742

 23.7227, 0.3202,
0.4295

271.4156, 0.3176,
0.3712

 15.1281, 0.3201,
0.4474

324.9110, 0.3173,
0.3687

 8.9093, 0.3192,
0.4728

385.0107, 0.3171,

 4.6821, 0.3161,

0.3664

0.5113

452.0990, 0.3169,
0.3644

2.0620, 0.3195,
0.5999

0.6431, 0.0353,
0.9647

89.5483, 0.3190,
0.3914

89.5483, 0.3190,
0.3914

85.8251, 0.3212,
0.4230

93.7914, 0.3164,
0.3622

82.6112, 0.3227,
0.4561

98.5851, 0.3135,
0.3358

79.8802, 0.3232,
0.4895

100.0000, 0.3127,
0.3290

77.6075, 0.3225,
0.5212

■ 75.7662, 0.3206,
0.5490

■ 74.3262, 0.3173,
0.5709

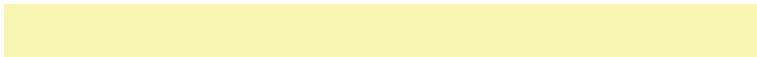
■ 73.2527, 0.3130,
0.5857

■ 72.6735, 0.3097,
0.5923

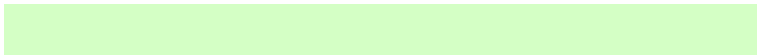
Harmonies

Analogous

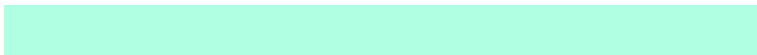
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5483, 0.3551, 0.3959



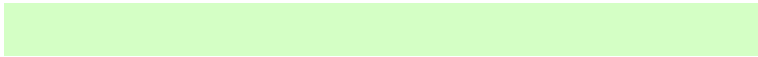
89.5483, 0.3190, 0.3914



89.5483, 0.2826, 0.3666

Triad

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



89.5483, 0.3190, 0.3914



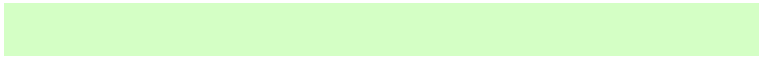
89.5483, 0.2481, 0.2747



89.5483, 0.3730, 0.3232

Complementary

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



89.5483, 0.3190, 0.3914



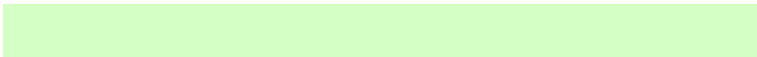
65.6791, 0.3043, 0.2703

Split Complementary

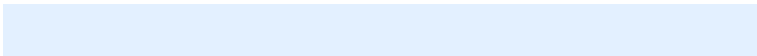
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5483, 0.3411, 0.2951



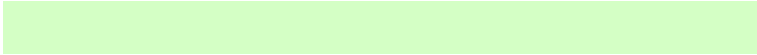
89.5483, 0.3190, 0.3914



89.5483, 0.2692, 0.2676

Square

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



89.5483, 0.3190, 0.3914



89.5483, 0.2432, 0.2968



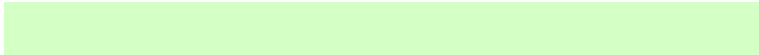
89.5483, 0.3028, 0.2752



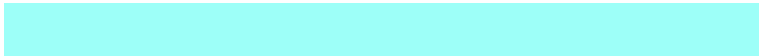
89.5483, 0.3877, 0.3540

Rectangle

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



89.5483, 0.3190, 0.3914



89.5483, 0.2630, 0.3430



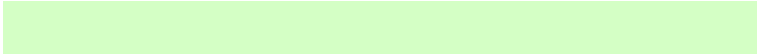
89.5483, 0.3028, 0.2752



89.5483, 0.3638, 0.3132

Sweetspot

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



89.5448, 0.3190, 0.3914



96.4781, 0.3148, 0.3466



87.3362, 0.3504, 0.3716



20.5880, 0.3149, 0.3482



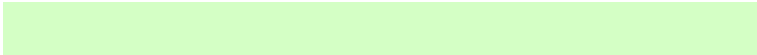
0.0000, 0.0000, 0.0000



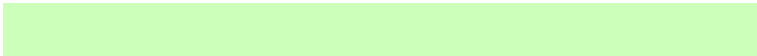
21.4041, 0.3127, 0.3290

Same Dimension

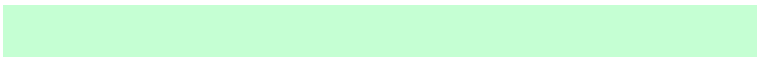
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5448, 0.3190, 0.3914



87.8995, 0.3200, 0.4046



88.0694, 0.3023, 0.3777



20.3949, 0.3155, 0.3533



38.0337, 0.3106, 0.5916



3.7530, 0.3184, 0.5854

Inverse Universe

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



65.6791, 0.3043, 0.2703



60.4429, 0.3023, 0.2587



67.5695, 0.3252, 0.2848



18.0504, 0.3096, 0.3053



9.5103, 0.2562, 0.1185



0.9784, 0.2638, 0.1227

Previews

White Background



This preview shows how the Yxy color 89.5483, 0.3190, 0.3914 looks on a white background.

Color Contrast Check

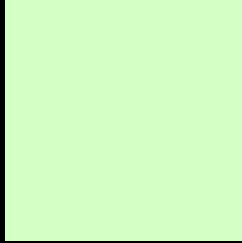
Large Text (above 18pt) WCAG AA × Fail

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 89.5483, 0.3190, 0.3914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

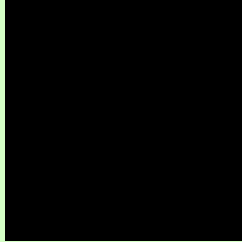
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

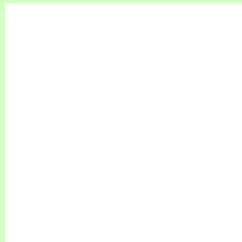
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5483, 0.3190, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 89.5483, 0.3190, 0.3914.

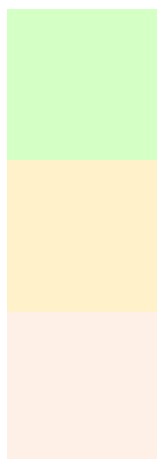


This preview shows how white text looks on a background with the Yxy color 89.5483, 0.3190, 0.3914.

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

89.5483, 0.3190, 0.3914

Protanopia

89.0285, 0.3466, 0.3689

Deuteranopia

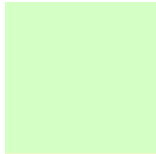
89.3497, 0.3283, 0.3379



Tritanopia

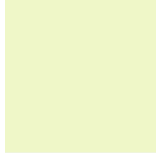
89.0772, 0.2987, 0.3180

Trichromacy



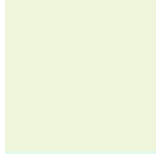
Original Color

89.5483, 0.3190, 0.3914



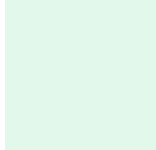
Protanomaly

89.0424, 0.3360, 0.3773



Deuteranomaly

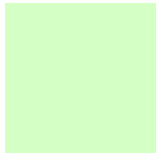
88.7700, 0.3245, 0.3555



Tritanomaly

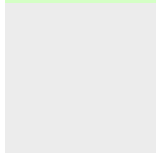
89.0829, 0.3064, 0.3434

Monochromacy



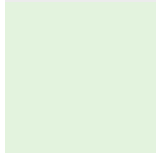
Original Color

89.5483, 0.3190, 0.3914



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7060, 0.3149, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5483, 0.3190, 0.3914 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(212, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 197)  
}
```

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(212, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 89.5483, 0.3190, 0.3914 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(212, 255, 197) }
```

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

```
.border{ border-color:rgb(212, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5483, 0.3190, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 197) }
```

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

```
.background{ background-color: rgb(212,  
255, 197) }
```

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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