

Converting Colors

$Yxy(89.5850, 0.3160, 0.3869)$

Have a look what the booklet for
Yxy(89.5850, 0.3160, 0.3869)
contains.

Yxy(89.5859, 0.3161, 0.3871)	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(89.5859, 0.3161, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	D3FFC9
RGB	211, 255, 201
RGB Percent	83%, 100%, 79%
CMY	0.1727, 0.0000, 0.2118
CMYK	0.17, 0.00, 0.21, 0.00
HSL	109°, 100%, 89%
HSV	109°, 21%, 100%
XYZ	73.1545, 89.5859, 68.6879
YIQ	235.6880, -8.8900, -26.1220

Conversions

Conversions Part 2

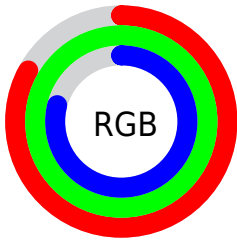
Format	Color
R_{YB}	201, 255, 245
Decimal	13893577
CIE _{Lab}	95.82, -23.79, 21.27
CIE _{LCh}	96, 31.911, 138.193
Yxy	89.5859, 0.3161, 0.3871
Android (android.graphics.Color)	4292083657 (0xFFD3FFC9)
YUV	235.6880, -17.1012, -21.6514
Hunter-Lab	94.6498, -27.6752, 23.2278

Details

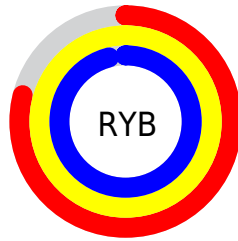
The Yxy color **89.5859, 0.3161, 0.3871** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.4094, 0.3079, 0.2750**, and the grayscale version is **83.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5627, 0.3163, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **85.6010, 0.3172, 0.4189**, and if you desaturate by 10%, it is **94.1516, 0.3146, 0.3580**.

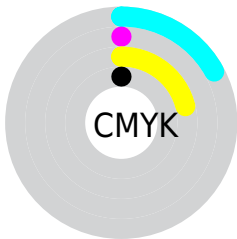
Distribution



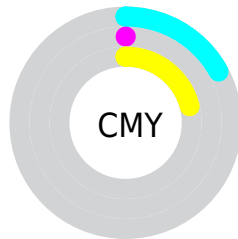
- Red (83%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5859, 0.3161, 0.3871 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 89.5859, 0.3161, 0.3871 by changing the saturation by 10% instead.

 89.5859, 0.3161,
0.3871

 89.5859, 0.3161,
0.3871

526.6829, 0.3151,
0.3603

 67.6372, 0.3162,
0.3932

146.7631, 0.3159,
0.3778

 49.6027, 0.3163,
0.4007


182.7603, 0.3157,
0.3742

 35.0978, 0.3162,
0.4102


224.2093, 0.3156,
0.3711

 23.7382, 0.3160,
0.4226

271.4943, 0.3155,
0.3684

 15.1395, 0.3154,
0.4393

324.9998, 0.3154,
0.3660

 8.9174, 0.3140,
0.4630


385.1101, 0.3153,


 4.6873, 0.3103,


0.3638


0.4992


452.2097, 0.3152,
0.3620


 2.0650, 0.3085,
0.5746


 0.6448, 0.0476,
0.9524

 89.5859, 0.3161,
0.3871


 89.5859, 0.3161,
0.3871


 85.6010, 0.3172,
0.4189


 94.1516, 0.3146,
0.3580

 82.1957, 0.3178,
0.4527

 99.3453, 0.3129,
0.3319

 79.3353, 0.3176,
0.4870

 100.0000, 0.3127,
0.3290

 76.9909, 0.3166,
0.5200

■ 75.1307, 0.3146,
0.5492

■ 73.7193, 0.3118,
0.5725

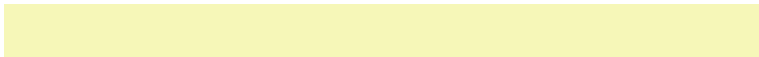
■ 72.7160, 0.3083,
0.5881

■ 72.1247, 0.3051,
0.5959

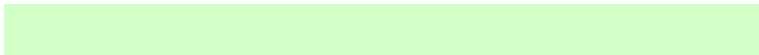
Harmonies

Analogous

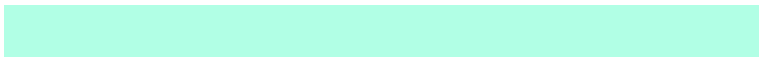
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5859, 0.3509, 0.3930



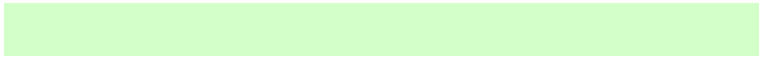
89.5859, 0.3161, 0.3871



89.5859, 0.2817, 0.3624

Triad

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



89.5859, 0.3161, 0.3871



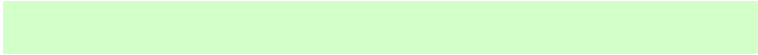
89.5859, 0.2520, 0.2762



89.5859, 0.3718, 0.3257

Complementary

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



89.5859, 0.3161, 0.3871



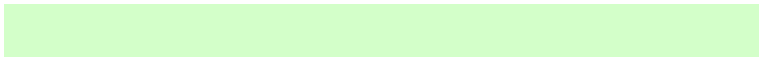
68.4094, 0.3079, 0.2750

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.



89.5859, 0.3425, 0.2984



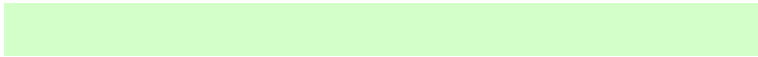
89.5859, 0.3161, 0.3871



89.5859, 0.2733, 0.2704

Square

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



89.5859, 0.3161, 0.3871



89.5859, 0.2461, 0.2964



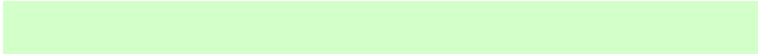
89.5859, 0.3060, 0.2787



89.5859, 0.3843, 0.3552

Rectangle

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



89.5859, 0.3161, 0.3871



89.5859, 0.2635, 0.3398



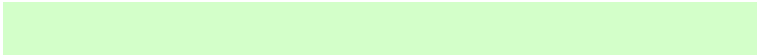
89.5859, 0.3060, 0.2787



89.5859, 0.3635, 0.3161

Sweetspot

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



89.5780, 0.3161, 0.3871



96.7630, 0.3138, 0.3441



90.2974, 0.3468, 0.3720



20.6388, 0.3139, 0.3458



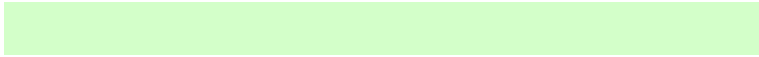
0.0000, 0.0000, 0.0000



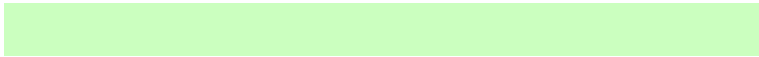
21.4041, 0.3127, 0.3290

Same Dimension

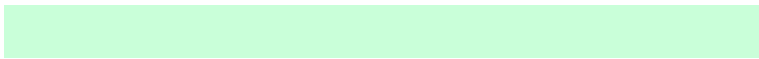
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5780, 0.3161, 0.3871



87.9896, 0.3166, 0.3990



88.9562, 0.3010, 0.3699



20.3292, 0.3143, 0.3534



37.7326, 0.3059, 0.5953



3.7151, 0.3125, 0.5901

Inverse Universe

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



68.4094, 0.3079, 0.2750



63.6893, 0.3068, 0.2648



69.2494, 0.3268, 0.2913



18.1211, 0.3108, 0.3054



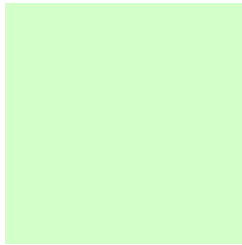
10.8394, 0.2745, 0.1286



1.0973, 0.2801, 0.1317

Previews

White Background



This preview shows how the Yxy color 89.5859, 0.3161, 0.3871 looks on a white background.

Color Contrast Check

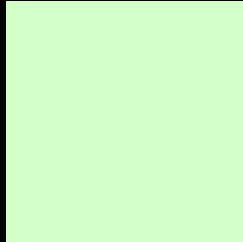
Large Text (above 18pt) WCAG AA × Fail

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 89.5859, 0.3161, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

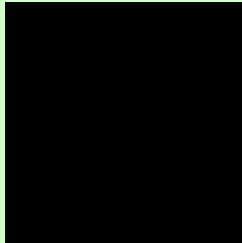
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

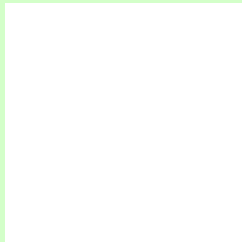
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5859, 0.3161, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 89.5859, 0.3161, 0.3871.

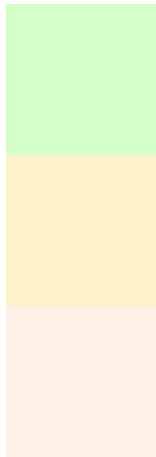


This preview shows how white text looks on a background with the Yxy color 89.5859, 0.3161, 0.3871.

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

89.5859, 0.3161, 0.3871

Protanopia

89.0761, 0.3460, 0.3679

Deuteranopia

89.3497, 0.3283, 0.3379



Tritanopia

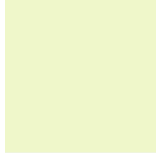
89.0772, 0.2987, 0.3180

Trichromacy



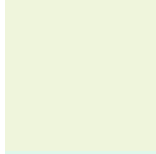
Original Color

89.5859, 0.3161, 0.3871



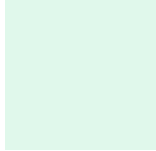
Protanomaly

89.1365, 0.3347, 0.3752



Deuteranomaly

88.8228, 0.3239, 0.3545



Tritanomaly

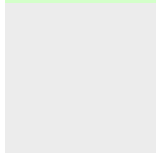
88.9803, 0.3052, 0.3424

Monochromacy



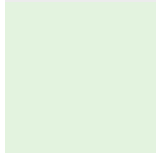
Original Color

89.5859, 0.3161, 0.3871



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7598, 0.3143, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5859, 0.3161, 0.3871 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 89.5859, 0.3161, 0.3871 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, 201) }
```

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

```
.border{ border-color:rgb(211, 255, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5859, 0.3161, 0.3871 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, 201) }
```

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

```
.background{ background-color: rgb(211,  
255, 201) }
```

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