

Converting Colors

$Y_{xy}(100.0000, 0.3150, 0.4034)$

Have a look what the booklet for
Yxy(100.0000, 0.3150, 0.4034)
contains.

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Color

Yxy(89.3918, 0.3161, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	D2FFC8
RGB	210, 255, 200
RGB Percent	82%, 100%, 78%
CMY	0.1763, 0.0000, 0.2158
CMYK	0.18, 0.00, 0.22, 0.00
HSL	109°, 100%, 89%
HSV	109°, 22%, 100%
XYZ	72.7704, 89.3918, 68.0510
YIQ	235.2750, -9.1650, -26.6450

Conversions

Conversions Part 2

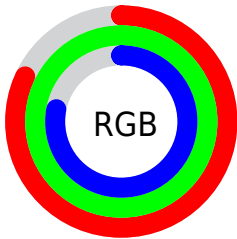
Format	Color
R_{YB}	200, 255, 245
Decimal	13828040
CIE Lab	95.74, -24.24, 21.67
CIE LCh	96, 32.512, 138.212
Yxy	89.3918, 0.3161, 0.3883
Android (android.graphics.Color)	4292018120 (0xFFD2FFC8)
YUV	235.2750, -17.3906, -22.1662
Hunter-Lab	94.5472, -28.0711, 23.5087

Details

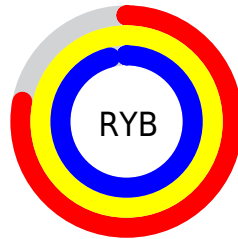
The Yxy color **89.3918, 0.3161, 0.3883** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.9224, 0.3079, 0.2739**, and the grayscale version is **83.4452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4321, 0.3162, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **85.4383, 0.3172, 0.4202**, and if you desaturate by 10%, it is **93.9501, 0.3147, 0.3591**.

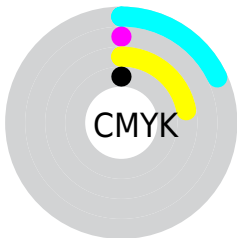
Distribution



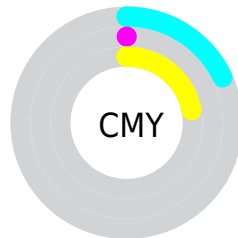
- Red (82%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3918, 0.3161, 0.3883 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 89.3918, 0.3161, 0.3883 by changing the saturation by 10% instead.


 89.3918, 0.3161,
0.3883

 89.3918, 0.3161,
0.3883


526.0504, 0.3151,
0.3609

 67.4763, 0.3162,
0.3945

146.4933, 0.3159,
0.3788

 49.4718, 0.3162,
0.4022


182.4481, 0.3157,
0.3751

 34.9939, 0.3162,
0.4120


223.8514, 0.3156,
0.3719

 23.6582, 0.3159,
0.4246

271.0877, 0.3155,
0.3691

 15.0802, 0.3153,
0.4417

324.5414, 0.3154,
0.3667

 8.8757, 0.3137,
0.4661

384.5968, 0.3153,

 4.6602, 0.3098,

0.3645

0.5031

451.6383, 0.3152,
0.3626

■ 2.0493, 0.3085,
0.5826

■ 0.6359, 0.0195,
0.9805

■ 89.3918, 0.3161,
0.3883

■ 89.3918, 0.3161,
0.3883

■ 85.4383, 0.3172,
0.4202

■ 93.9501, 0.3147,
0.3591

■ 82.0530, 0.3177,
0.4541

■ 99.1252, 0.3130,
0.3328

■ 79.2127, 0.3175,
0.4884

■ 99.9986, 0.3127,
0.3290

■ 76.8884, 0.3164,
0.5213

■ 75.0479, 0.3144,
0.5504

■ 73.6556, 0.3115,
0.5733

■ 72.6704, 0.3080,
0.5887

■ 72.1139, 0.3051,
0.5960

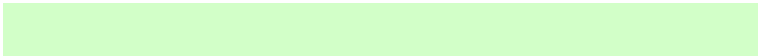
Harmonies

Analogous

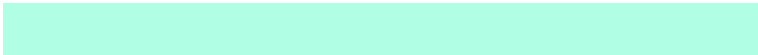
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3918, 0.3515, 0.3943



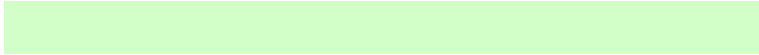
89.3918, 0.3161, 0.3883



89.3918, 0.2811, 0.3631

Triad

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



89.3918, 0.3161, 0.3883



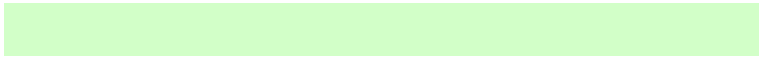
89.3918, 0.2509, 0.2752



89.3918, 0.3730, 0.3257

Complementary

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



89.3918, 0.3161, 0.3883



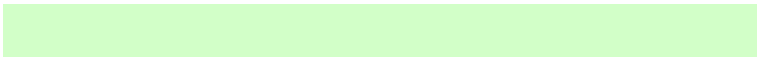
67.9224, 0.3079, 0.2739

Split Complementary

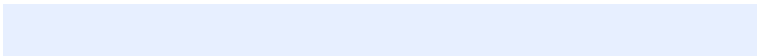
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3918, 0.3430, 0.2979



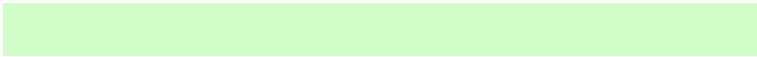
89.3918, 0.3161, 0.3883



89.3918, 0.2725, 0.2693

Square

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



89.3918, 0.3161, 0.3883



89.3918, 0.2448, 0.2957



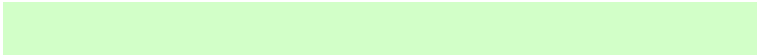
89.3918, 0.3059, 0.2778



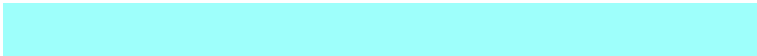
89.3918, 0.3857, 0.3556

Rectangle

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



89.3918, 0.3161, 0.3883



89.3918, 0.2626, 0.3399



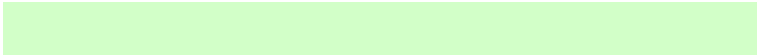
89.3918, 0.3059, 0.2778



89.3918, 0.3645, 0.3159

Sweetspot

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



89.3956, 0.3161, 0.3883



96.7588, 0.3137, 0.3441



90.6804, 0.3473, 0.3737



20.6378, 0.3139, 0.3458



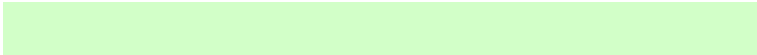
0.0000, 0.0000, 0.0000



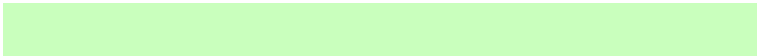
21.4041, 0.3127, 0.3290

Same Dimension

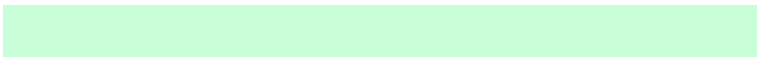
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3956, 0.3161, 0.3883



87.5738, 0.3166, 0.4021



88.8265, 0.3003, 0.3697



20.3278, 0.3143, 0.3534



37.7274, 0.3058, 0.5954



3.7144, 0.3124, 0.5902

Inverse Universe

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



67.9224, 0.3079, 0.2739



62.5194, 0.3066, 0.2622



68.7086, 0.3278, 0.2915



18.1226, 0.3109, 0.3054



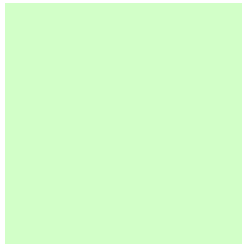
10.8690, 0.2749, 0.1288



1.0999, 0.2804, 0.1319

Previews

White Background



This preview shows how the Yxy color 89.3918, 0.3161, 0.3883 looks on a white background.

Color Contrast Check

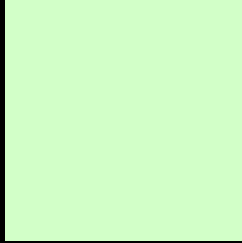
Large Text (above 18pt) WCAG AA × Fail

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 89.3918, 0.3161, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

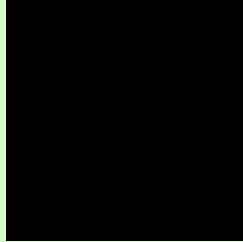
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

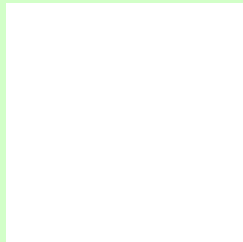
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3918, 0.3161, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 89.3918, 0.3161, 0.3883.

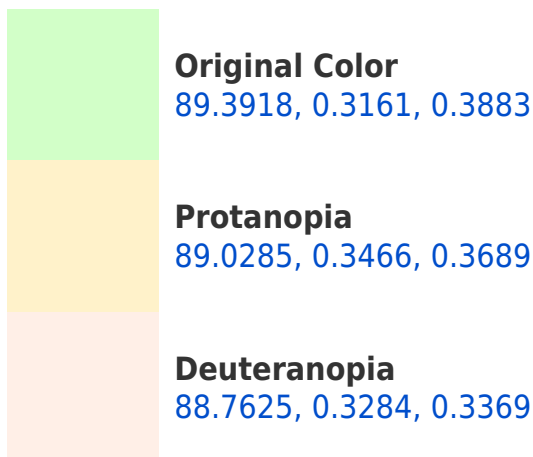


This preview shows how white text looks on a background with the Yxy color 89.3918, 0.3161, 0.3883.

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





Tritanopia

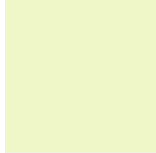
88.9103, 0.2981, 0.3179

Trichromacy



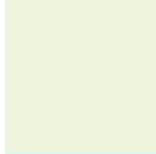
Original Color

89.3918, 0.3161, 0.3883



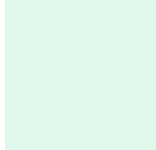
Protanomaly

89.0893, 0.3354, 0.3763



Deuteranomaly

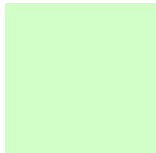
88.8228, 0.3239, 0.3545



Tritanomaly

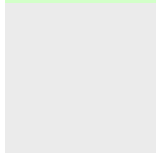
88.8209, 0.3045, 0.3424

Monochromacy



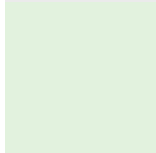
Original Color

89.3918, 0.3161, 0.3883



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9469, 0.3143, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3918, 0.3161, 0.3883 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(210, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 200)  
}
```

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(210, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 89.3918, 0.3161, 0.3883 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(210, 255, 200) }
```

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

```
.border{ border-color:rgb(210, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3918, 0.3161, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 200) }
```

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

```
.background{ background-color: rgb(210,  
255, 200) }
```

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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