

Converting Colors

$Y_{xy}(100.0000, 0.3108, 0.3992)$

Have a look what the booklet for
Yxy(100.0000, 0.3108, 0.3992)
contains.

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Color

Yxy(89.1932, 0.3114, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	CFFCD
RGB	207, 255, 205
RGB Percent	81%, 100%, 80%
CMY	0.1881, 0.0000, 0.1960
CMYK	0.19, 0.00, 0.20, 0.00
HSL	118°, 100%, 90%
HSV	118°, 20%, 100%
XYZ	72.5190, 89.1932, 71.1683
YIQ	234.9480, -12.5580, -25.7260

Conversions

Conversions Part 2

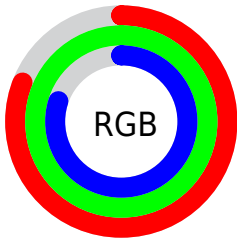
Format	Color
RYB	205, 255, 253
Decimal	13631437
CIELab	95.66, -24.41, 18.95
CIELCh	96, 30.904, 142.179
Yxy	89.1932, 0.3114, 0.3830
Android (android.graphics.Color)	4291821517 (0xFFCFFFCDD)
YUV	234.9480, -14.7644, -24.5104
Hunter-Lab	94.4422, -28.2096, 21.4307

Details

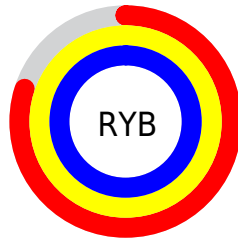
The Yxy color **89.1932, 0.3114, 0.3830** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7794, 0.3136, 0.2800**, and the grayscale version is **83.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2979, 0.3104, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **84.8064, 0.3104, 0.4154**, and if you desaturate by 10%, it is **94.3350, 0.3122, 0.3538**.

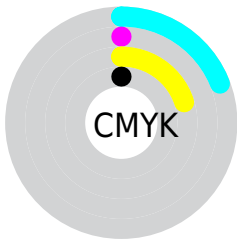
Distribution



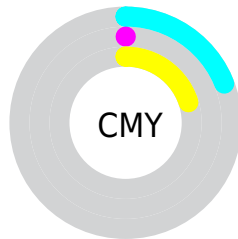
- Red (81%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1932, 0.3114, 0.3830 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 89.1932, 0.3114, 0.3830 by changing the saturation by 10% instead.


 89.1932, 0.3114,
0.3830

 89.1932, 0.3114,
0.3830

525.4029, 0.3124,
0.3580

 67.3117, 0.3111,
0.3887

146.2172, 0.3118,
0.3744

 49.3380, 0.3106,
0.3957


182.1285, 0.3120,
0.3710

 34.8877, 0.3099,
0.4046


223.4851, 0.3121,
0.3681

 23.5763, 0.3089,
0.4161

270.6716, 0.3122,
0.3656

 15.0197, 0.3074,
0.4318

324.0722, 0.3123,
0.3633

 8.8332, 0.3047,
0.4541

384.0713, 0.3123,

 4.6325, 0.2995,

0.3614

0.4884

451.0534, 0.3124,
0.3596

■ 2.0333, 0.2918,
0.5546

■ 0.6267, 0.0000,
1.0000

■ 89.1932, 0.3114,
0.3830

■ 89.1932, 0.3114,
0.3830

■ 84.8064, 0.3104,
0.4154

■ 94.3350, 0.3122,
0.3538

■ 81.1283, 0.3092,
0.4504

99.9989, 0.3127,
0.3290

■ 78.1253, 0.3078,
0.4863

■ 75.7563, 0.3062,
0.5210

■ 73.9757, 0.3046,
0.5518

■ 72.7320, 0.3030,
0.5761

■ 71.9648, 0.3015,
0.5918

■ 71.5935, 0.3006,
0.5993

■ 71.5846, 0.3006,
0.5995

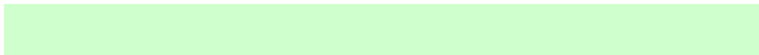
Harmonies

Analogous

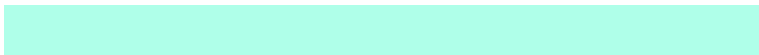
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1932, 0.3456, 0.3914



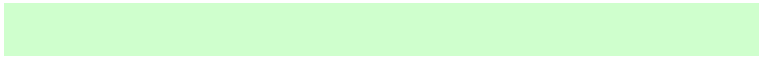
89.1932, 0.3114, 0.3830



89.1932, 0.2788, 0.3572

Triad

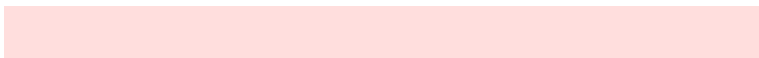
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1932, 0.3114, 0.3830



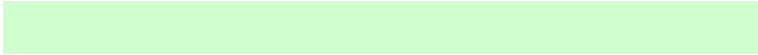
89.1932, 0.2557, 0.2762



89.1932, 0.3727, 0.3297

Complementary

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



89.1932, 0.3114, 0.3830



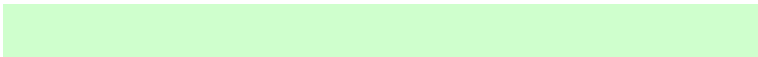
71.7794, 0.3136, 0.2800

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.



89.1932, 0.3460, 0.3025



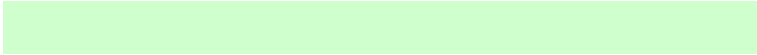
89.1932, 0.3114, 0.3830



89.1932, 0.2782, 0.2724

Square

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



89.1932, 0.3114, 0.3830



89.1932, 0.2478, 0.2941



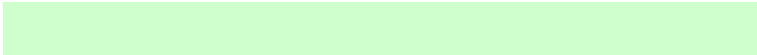
89.1932, 0.3110, 0.2820



89.1932, 0.3822, 0.3581

Rectangle

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



89.1932, 0.3114, 0.3830



89.1932, 0.2621, 0.3349



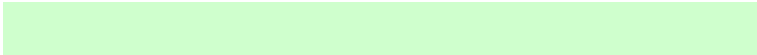
89.1932, 0.3110, 0.2820



89.1932, 0.3653, 0.3202

Sweetspot

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



89.1970, 0.3114, 0.3830



96.3732, 0.3124, 0.3441



95.6040, 0.3428, 0.3757



20.5470, 0.3123, 0.3458



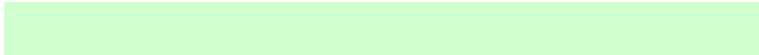
0.0000, 0.0000, 0.0000



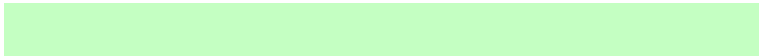
21.4041, 0.3127, 0.3290

Same Dimension

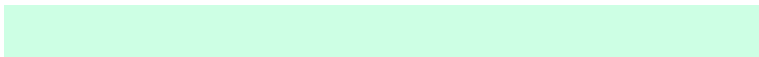
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1970, 0.3114, 0.3830



87.1746, 0.3110, 0.3969



90.0767, 0.2978, 0.3582



20.2027, 0.3122, 0.3535



37.4200, 0.3008, 0.5994



3.6551, 0.3028, 0.5978

Inverse Universe

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



71.7794, 0.3136, 0.2800



66.5139, 0.3137, 0.2687



70.7914, 0.3310, 0.3015



18.2612, 0.3132, 0.3055



13.9150, 0.3109, 0.1487



1.3659, 0.3121, 0.1493

Previews

White Background



This preview shows how the Yxy color 89.1932, 0.3114, 0.3830 looks on a white background.

Color Contrast Check

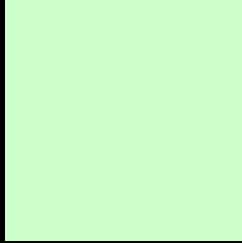
Large Text (above 18pt) WCAG AA × Fail

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 89.1932, 0.3114, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

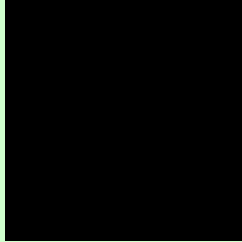
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

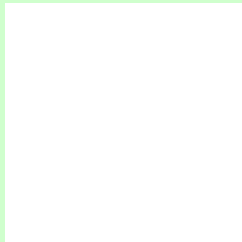
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1932, 0.3114, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 89.1932, 0.3114, 0.3830.

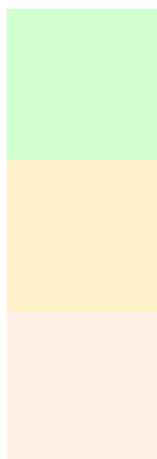


This preview shows how white text looks on a background with the Yxy color 89.1932, 0.3114, 0.3830.

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

89.1932, 0.3114, 0.3830

Protanopia

88.4349, 0.3468, 0.3680

Deuteranopia

88.7625, 0.3284, 0.3369



Tritanopia

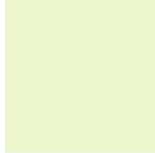
88.7444, 0.2975, 0.3179

Trichromacy



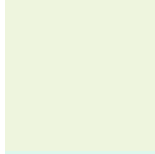
Original Color

89.1932, 0.3114, 0.3830



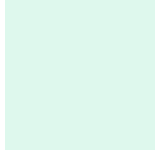
Protanomaly

88.4005, 0.3336, 0.3733



Deuteranomaly

88.7559, 0.3220, 0.3525



Tritanomaly

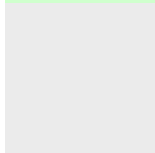
88.7788, 0.3028, 0.3403

Monochromacy



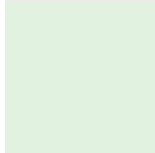
Original Color

89.1932, 0.3114, 0.3830



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8936, 0.3125, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1932, 0.3114, 0.3830 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(207, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 205)  
}
```

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(207, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 89.1932, 0.3114, 0.3830 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(207, 255, 205) }
```

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

```
.border{ border-color:rgb(207, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1932, 0.3114, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 205) }
```

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

```
.background{ background-color: rgb(207,  
255, 205) }
```

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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