

Converting Colors

$Yxy(89.3230, 0.3103, 0.3806)$

Have a look what the booklet for
Yxy(89.3230, 0.3103, 0.3806)
contains.

Yxy(89.2904, 0.3103, 0.3808)	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(89.2904, 0.3103, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFCF
RGB	207, 255, 207
RGB Percent	81%, 100%, 81%
CMY	0.1881, 0.0000, 0.1882
CMYK	0.19, 0.00, 0.19, 0.00
HSL	120°, 100%, 91%
HSV	120°, 19%, 100%
XYZ	72.7595, 89.2904, 72.4312
YIQ	235.1760, -13.2000, -25.1040

Conversions

Conversions Part 2

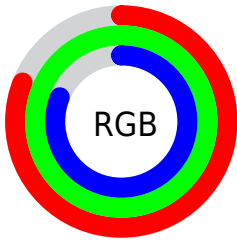
Format	Color
R_{YB}	207, 255, 255
Decimal	13631439
CIE _{Lab}	95.70, -24.08, 18.00
CIE _{LCh}	96, 30.065, 143.225
Yxy	89.2904, 0.3103, 0.3808
Android (android.graphics.Color)	4291821519 (0xFFCFFFCF)
YUV	235.1760, -13.8908, -24.7104
Hunter-Lab	94.4936, -27.9199, 20.6986

Details

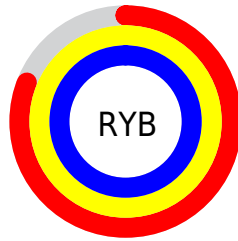
The Yxy color **89.2904, 0.3103, 0.3808** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1021, 0.3149, 0.2821**, and the grayscale version is **83.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3635, 0.3090, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **84.7657, 0.3088, 0.4133**, and if you desaturate by 10%, it is **94.6165, 0.3117, 0.3517**.

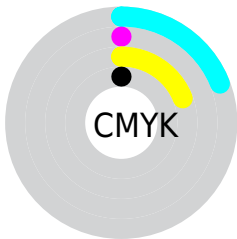
Distribution



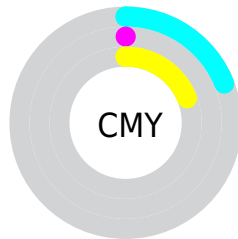
- Red (81%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2904, 0.3103, 0.3808 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 89.2904, 0.3103, 0.3808 by changing the saturation by 10% instead.


 89.2904, 0.3103,
0.3808

 89.2904, 0.3103,
0.3808


525.7198, 0.3118,
0.3569

 67.3923, 0.3099,
0.3862


146.3523, 0.3109,
0.3725

 49.4035, 0.3093,
0.3930


182.2849, 0.3111,
0.3693

 34.9396, 0.3085,
0.4014


223.6644, 0.3113,
0.3665

 23.6164, 0.3074,
0.4125

270.8753, 0.3114,
0.3641

 15.0493, 0.3056,
0.4275

324.3018, 0.3115,
0.3620

 8.8540, 0.3027,
0.4489

384.3285, 0.3116,

 4.6461, 0.2974,

0.3601

0.4817

451.3397, 0.3117,
0.3584

■ 2.0411, 0.2884,
0.5429

■ 0.6312, 0.0187,
0.9813

■ 89.2904, 0.3103,
0.3808

■ 89.2904, 0.3103,
0.3808

■ 84.7657, 0.3088,
0.4133

■ 94.6165, 0.3117,
0.3517

■ 80.9932, 0.3071,
0.4484

100.0000, 0.3127,
0.3290

■ 77.9356, 0.3054,
0.4847

■ 75.5477, 0.3038,
0.5199

■ 73.7794, 0.3023,
0.5512

■ 72.5734, 0.3012,
0.5759

■ 71.8618, 0.3004,
0.5919

■ 71.5467, 0.3000,
0.5994

■ 71.5208, 0.3000,
0.6000

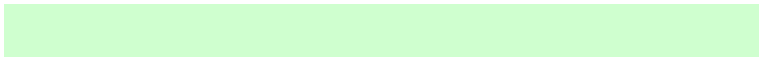
Harmonies

Analogous

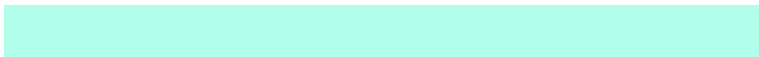
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2904, 0.3437, 0.3897



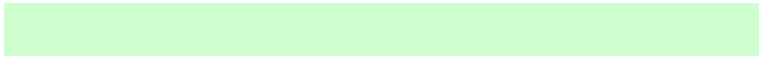
89.2904, 0.3103, 0.3808



89.2904, 0.2787, 0.3553

Triad

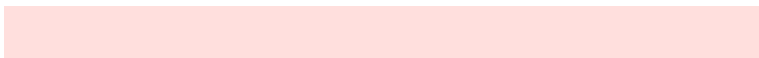
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2904, 0.3103, 0.3808



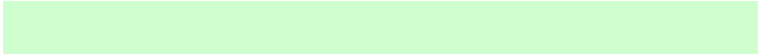
89.2904, 0.2577, 0.2772



89.2904, 0.3716, 0.3307

Complementary

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



89.2904, 0.3103, 0.3808



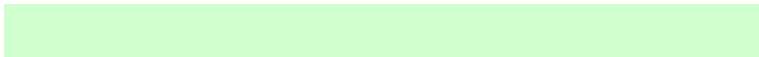
73.1021, 0.3149, 0.2821

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.



89.2904, 0.3462, 0.3041



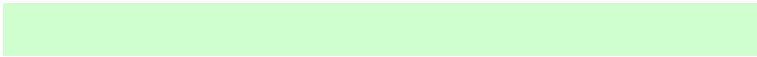
89.2904, 0.3103, 0.3808



89.2904, 0.2801, 0.2739

Square

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



89.2904, 0.3103, 0.3808



89.2904, 0.2495, 0.2943



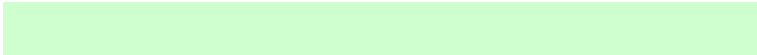
89.2904, 0.3123, 0.2838



89.2904, 0.3803, 0.3584

Rectangle

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



89.2904, 0.3103, 0.3808



89.2904, 0.2627, 0.3336



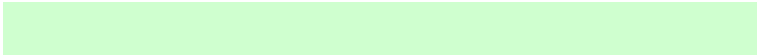
89.2904, 0.3123, 0.2838



89.2904, 0.3647, 0.3215

Sweetspot

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



89.2941, 0.3103, 0.3808



96.2675, 0.3120, 0.3441



96.7757, 0.3413, 0.3753



20.5222, 0.3119, 0.3459



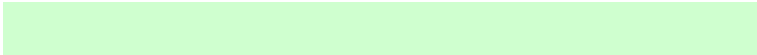
0.0000, 0.0000, 0.0000



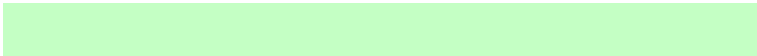
21.4041, 0.3127, 0.3290

Same Dimension

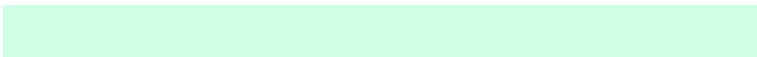
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2941, 0.3103, 0.3808



87.3080, 0.3097, 0.3940



90.5101, 0.2975, 0.3552



20.1686, 0.3116, 0.3536



37.3713, 0.3000, 0.6000



3.6389, 0.3000, 0.6000

Inverse Universe

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



73.1021, 0.3149, 0.2821



68.1126, 0.3154, 0.2716



71.7014, 0.3313, 0.3042



18.2999, 0.3138, 0.3056



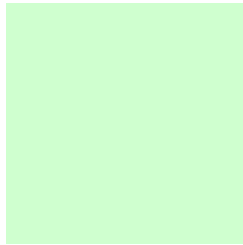
14.8694, 0.3208, 0.1541



1.4479, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 89.2904, 0.3103, 0.3808 looks on a white background.

Color Contrast Check

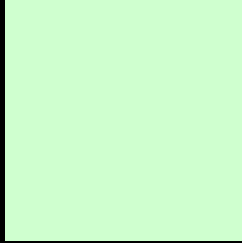
Large Text (above 18pt) WCAG AA × Fail

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 89.2904, 0.3103, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

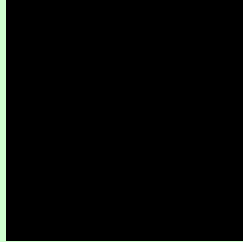
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

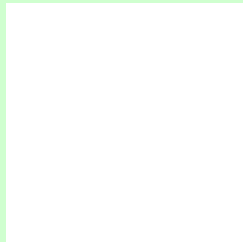
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2904, 0.3103, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 89.2904, 0.3103, 0.3808.

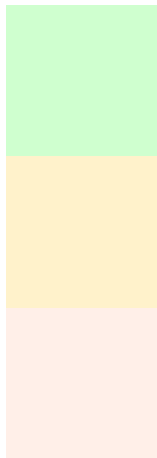


This preview shows how white text looks on a background with the Yxy color 89.2904, 0.3103, 0.3808.

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

89.2904, 0.3103, 0.3808

Protanopia

89.0761, 0.3460, 0.3679

Deuteranopia

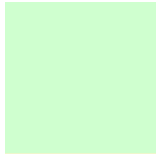
88.8192, 0.3278, 0.3359



Tritanopia

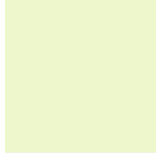
89.3478, 0.2975, 0.3189

Trichromacy



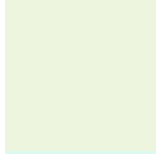
Original Color

89.2904, 0.3103, 0.3808



Protanomaly

89.0583, 0.3328, 0.3732



Deuteranomaly

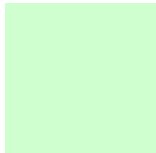
88.8097, 0.3214, 0.3514



Tritanomaly

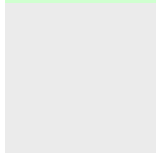
89.4540, 0.3022, 0.3403

Monochromacy



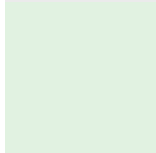
Original Color

89.2904, 0.3103, 0.3808



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9481, 0.3119, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2904, 0.3103, 0.3808 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, 207)` looks like.

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

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, 207) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 89.2904, 0.3103, 0.3808 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, 207) }
```

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

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

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, 207)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 89.2904, 0.3103, 0.3808 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, 207) }
```

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

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

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