

Converting Colors

Yxy(89.0866, 0.3106, 0.3641)

Have a look what the booklet for
Yxy(89.0866, 0.3106, 0.3641)
contains.

Yxy(88.8080, 0.3105, 0.3639)	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(88.8080, 0.3105, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	D9FBDA
RGB	217, 251, 218
RGB Percent	85%, 98%, 85%
CMY	0.1488, 0.0157, 0.1452
CMYK	0.14, 0.00, 0.13, 0.02
HSL	122°, 81%, 92%
HSV	122°, 14%, 98%
XYZ	75.7760, 88.8080, 79.4611
YIQ	237.0720, -9.6710, -17.4710

Conversions

Conversions Part 2

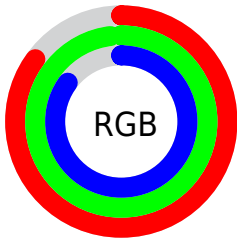
Format	Color
RYB	217, 250, 251
Decimal	14285786
CIELab	95.50, -16.98, 12.18
CIELCh	96, 20.893, 144.351
Yxy	88.8080, 0.3105, 0.3639
Android (android.graphics.Color)	4292475866 (0xFFD9FBDA)
YUV	237.0720, -9.4025, -17.6031
Hunter-Lab	94.2380, -21.3861, 15.9735

Details

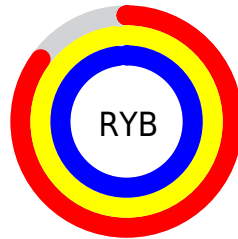
The Yxy color **88.8080, 0.3105, 0.3639** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.0674, 0.3149, 0.2964**, and the grayscale version is **84.8334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9093, 0.3099, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **84.0670, 0.3087, 0.3937**, and if you desaturate by 10%, it is **94.3298, 0.3122, 0.3375**.

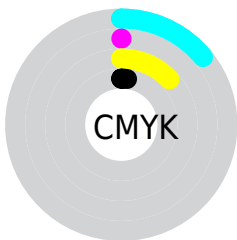
Distribution



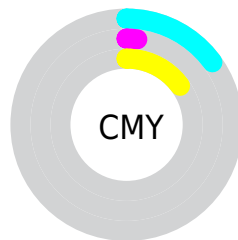
- Red (85%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (15%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8080, 0.3105, 0.3639 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 88.8080, 0.3105, 0.3639 by changing the saturation by 10% instead.

 88.8080, 0.3105,
0.3639

 88.8080, 0.3105,
0.3639


524.1457, 0.3117,
0.3479

 66.9924, 0.3102,
0.3675


145.6815, 0.3109,
0.3584

 49.0785, 0.3098,
0.3719


181.5083, 0.3111,
0.3562

 34.6817, 0.3093,
0.3775


222.7743, 0.3112,
0.3544

 23.4178, 0.3085,
0.3848

269.8638, 0.3114,
0.3528

 14.9023, 0.3075,
0.3946

323.1613, 0.3115,
0.3513

 8.7509, 0.3058,
0.4085

383.0512, 0.3115,

 4.5790, 0.3029,

0.3501

0.4298

449.9178, 0.3116,
0.3489

■ 2.0025, 0.2968,
0.4662

■ 0.6089, 0.2125,
0.7875

■ 88.8080, 0.3105,
0.3639

■ 88.8080, 0.3105,
0.3639

■ 84.0670, 0.3087,
0.3937

■ 94.3298, 0.3122,
0.3375

■ 80.0609, 0.3068,
0.4266

■ 97.4713, 0.3129,
0.3252

■ 76.7564, 0.3049,
0.4616

■ 74.1131, 0.3031,
0.4971

■ 72.0865, 0.3016,
0.5306

■ 70.6266, 0.3005,
0.5595

■ 69.6759, 0.2998,
0.5813

■ 69.1642, 0.2997,
0.5945

■ 69.0063, 0.2997,
0.5988

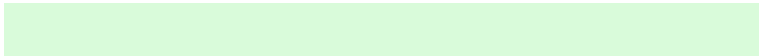
Harmonies

Analogous

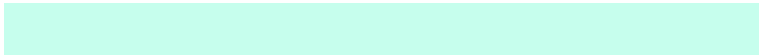
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8080, 0.3338, 0.3708



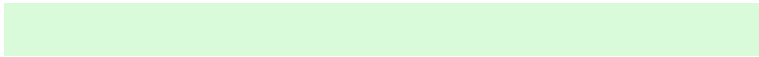
88.8080, 0.3105, 0.3639



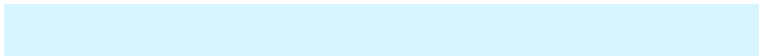
88.8080, 0.2884, 0.3464

Triad

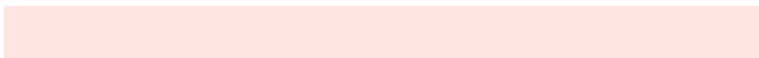
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8080, 0.3105, 0.3639



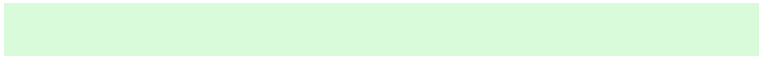
88.8080, 0.2744, 0.2924



88.8080, 0.3540, 0.3315

Complementary

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



88.8080, 0.3105, 0.3639



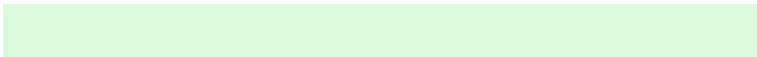
77.0674, 0.3149, 0.2964

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.



88.8080, 0.3369, 0.3122



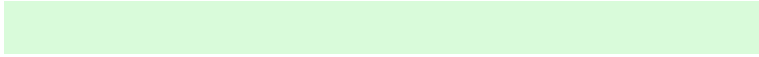
88.8080, 0.3105, 0.3639



88.8080, 0.2908, 0.2900

Square

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



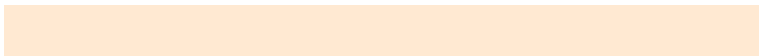
88.8080, 0.3105, 0.3639



88.8080, 0.2680, 0.3045



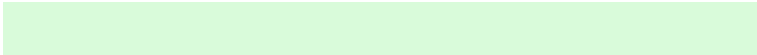
88.8080, 0.3136, 0.2973



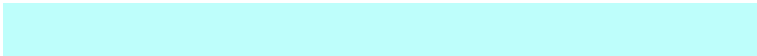
88.8080, 0.3595, 0.3509

Rectangle

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



88.8080, 0.3105, 0.3639



88.8080, 0.2771, 0.3317



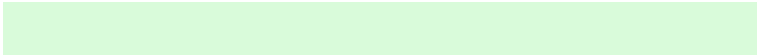
88.8080, 0.3136, 0.2973



88.8080, 0.3494, 0.3248

Sweetspot

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



88.8118, 0.3105, 0.3639



97.4939, 0.3121, 0.3387



94.4072, 0.3326, 0.3626



20.7700, 0.3120, 0.3406



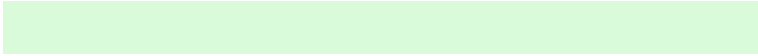
0.0000, 0.0000, 0.0000



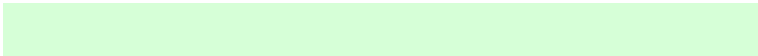
21.4041, 0.3127, 0.3290

Same Dimension

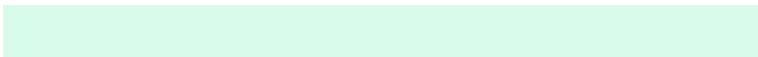
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8118, 0.3105, 0.3639



90.7687, 0.3101, 0.3710



89.7254, 0.3011, 0.3461



19.3169, 0.3112, 0.3528



36.2775, 0.2995, 0.5983



3.3625, 0.2984, 0.5942

Inverse Universe

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



77.0674, 0.3149, 0.2964



76.6030, 0.3153, 0.2903



76.0703, 0.3262, 0.3126



17.5159, 0.3142, 0.3063



14.2224, 0.3279, 0.1580



1.3198, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 88.8080, 0.3105, 0.3639 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 88.8080, 0.3105, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

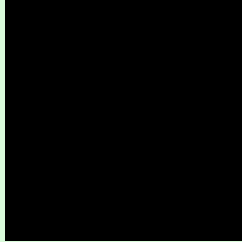
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

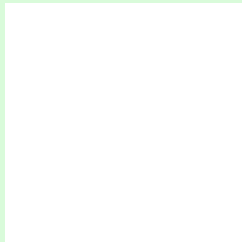
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.8080, 0.3105, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 88.8080, 0.3105, 0.3639.

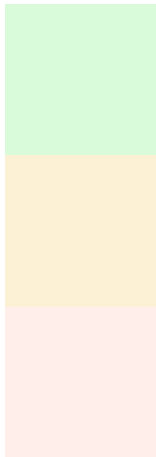


This preview shows how white text looks on a background with the Yxy color 88.8080, 0.3105, 0.3639.

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

88.8080, 0.3105, 0.3639

Protanopia

88.5973, 0.3383, 0.3570

Deuteranopia

88.3496, 0.3266, 0.3330



Tritanopia

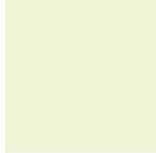
88.4770, 0.2987, 0.3170

Trichromacy



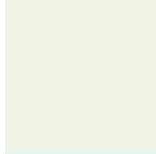
Original Color

88.8080, 0.3105, 0.3639



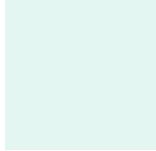
Protanomaly

88.7364, 0.3277, 0.3596



Deuteranomaly

88.4034, 0.3205, 0.3442



Tritanomaly

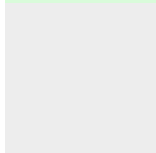
88.6532, 0.3030, 0.3331

Monochromacy



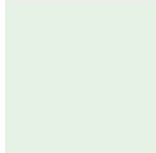
Original Color

88.8080, 0.3105, 0.3639



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.0404, 0.3121, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8080, 0.3105, 0.3639 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(217, 251, 218)` looks like.

```
.text, #text, p{  
    color:rgb(217, 251, 218)  
}
```

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(217, 251, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 251, 218) }
```

Border

The CSS property to change the border of an element to Yxy 88.8080, 0.3105, 0.3639 is called "border". The border property can be set on classes, ids or directly on the HTML element.

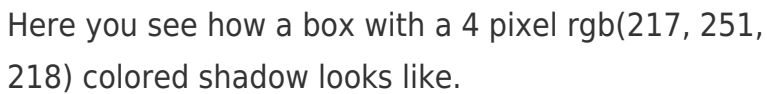
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 251, 218) }
```

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

```
.border{ border-color:rgb(217, 251, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 251, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 251, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 251, 218);  
box-shadow:4px 4px 4px 4px rgb(217, 251,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8080, 0.3105, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 251, 218) }
```

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

```
.background{ background-color: rgb(217,  
251, 218) }
```

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