

Converting Colors

$Y_{xy}(108.4602, 0.3027, 0.3979)$

Have a look what the booklet for
Yxy(108.4602, 0.3027, 0.3979)
contains.

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Color

Yxy(89.1744, 0.3029, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFD8
RGB	203, 255, 216
RGB Percent	80%, 100%, 85%
CMY	0.2038, 0.0000, 0.1530
CMYK	0.20, 0.00, 0.15, 0.00
HSL	135°, 100%, 90%
HSV	135°, 20%, 100%
XYZ	72.7861, 89.1744, 78.3370
YIQ	235.0060, -18.4730, -23.1530

Conversions

Conversions Part 2

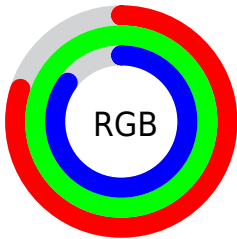
Format	Color
R _Y B	203, 245, 255
Decimal	13369304
CIE Lab	95.65, -23.82, 13.29
CIE LCh	96, 27.277, 150.831
Yxy	89.1744, 0.3029, 0.3711
Android (android.graphics.Color)	4291559384 (0xFFCBFFD8)
YUV	235.0060, -9.3700, -28.0693
Hunter-Lab	94.4322, -27.6728, 16.9180

Details

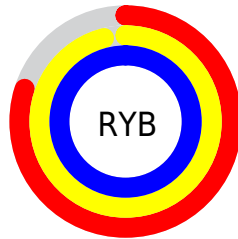
The Yxy color **89.1744, 0.3029, 0.3711** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.3933, 0.3243, 0.2903**, and the grayscale version is **83.1693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2573, 0.3004, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **84.9530, 0.2983, 0.3955**, and if you desaturate by 10%, it is **94.1047, 0.3077, 0.3491**.

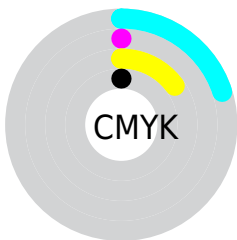
Distribution



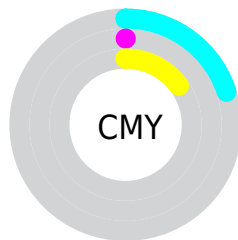
- Red (80%)
- Green (100%)
- Blue (85%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1744, 0.3029, 0.3711 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 89.1744, 0.3029, 0.3711 by changing the saturation by 10% instead.


 89.1744, 0.3029,
0.3711

 89.1744, 0.3029,
0.3711

525.3415, 0.3076,
0.3517

 67.2961, 0.3018,
0.3755


146.1911, 0.3045,
0.3644

 49.3253, 0.3004,
0.3809


182.0982, 0.3052,
0.3618

 34.8776, 0.2987,
0.3878


223.4505, 0.3057,
0.3595

 23.5686, 0.2964,
0.3967

270.6322, 0.3062,
0.3576

 15.0139, 0.2931,
0.4088

324.0277, 0.3066,
0.3558

 8.8292, 0.2884,
0.4260


384.0215, 0.3070,


 4.6299, 0.2807,

0.3543

0.4526


450.9980, 0.3073,
0.3530


 2.0318, 0.2665,
0.4986

 0.6259, 0.0210,
0.9790

 89.1744, 0.3029,
0.3711


 89.1744, 0.3029,
0.3711

 84.9530, 0.2983,
0.3955


 94.1047, 0.3077,
0.3491

 81.4006, 0.2942,
0.4222

99.7672, 0.3125,
0.3297

 78.4842, 0.2908,
0.4504

100.0000, 0.3127,
0.3290

 76.1653, 0.2884,
0.4794

■ 74.4008, 0.2874,
0.5078

■ 73.1419, 0.2879,
0.5340

■ 72.3306, 0.2899,
0.5565

■ 71.8862, 0.2927,
0.5737

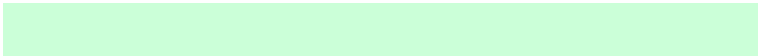
Harmonies

Analogous

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



89.1744, 0.3336, 0.3835



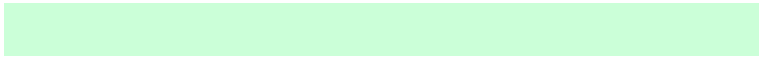
89.1744, 0.3029, 0.3711



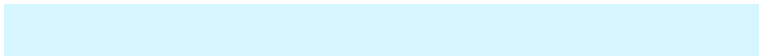
89.1744, 0.2758, 0.3456

Triad

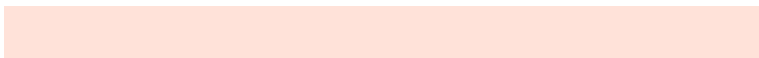
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1744, 0.3029, 0.3711



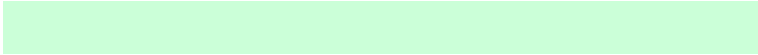
89.1744, 0.2667, 0.2799



89.1744, 0.3697, 0.3373

Complementary

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



89.1744, 0.3029, 0.3711



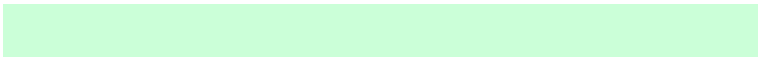
70.3933, 0.3243, 0.2903

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.



89.1744, 0.3501, 0.3122



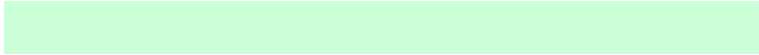
89.1744, 0.3029, 0.3711



89.1744, 0.2899, 0.2799

Square

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



89.1744, 0.3029, 0.3711



89.1744, 0.2556, 0.2925



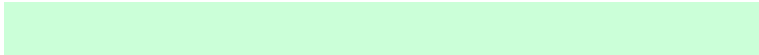
89.1744, 0.3204, 0.2916



89.1744, 0.3732, 0.3618

Rectangle

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



89.1744, 0.3029, 0.3711



89.1744, 0.2630, 0.3258



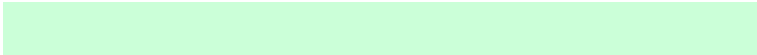
89.1744, 0.3204, 0.2916



89.1744, 0.3648, 0.3287

Sweetspot

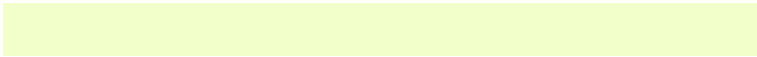
The Sweet Spot groups the original color and five complimentary colors.



89.1768, 0.3029, 0.3711



96.4953, 0.3098, 0.3403



94.8645, 0.3355, 0.3814



20.5758, 0.3095, 0.3416



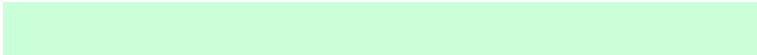
0.0000, 0.0000, 0.0000



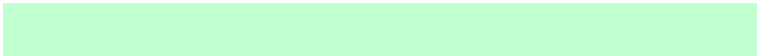
21.4041, 0.3127, 0.3290

Same Dimension

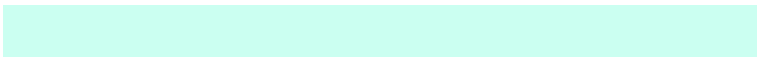
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1768, 0.3029, 0.3711



87.5701, 0.3012, 0.3797



90.5784, 0.2894, 0.3435



20.2425, 0.3081, 0.3473



37.5820, 0.2920, 0.5711



3.6758, 0.2861, 0.5500

Inverse Universe

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



70.3933, 0.3243, 0.2903



66.0294, 0.3267, 0.2832



68.9846, 0.3429, 0.3150



18.2183, 0.3176, 0.3113



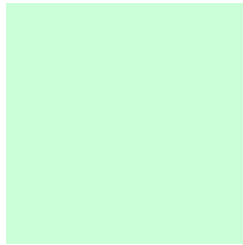
13.1075, 0.3964, 0.1957



1.2937, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 89.1744, 0.3029, 0.3711 looks on a white background.

Color Contrast Check

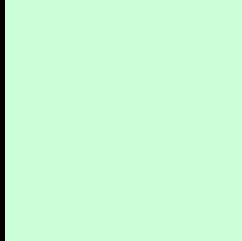
Large Text (above 18pt) WCAG AA × Fail

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 89.1744, 0.3029, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

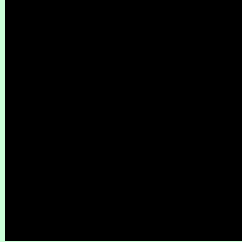
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

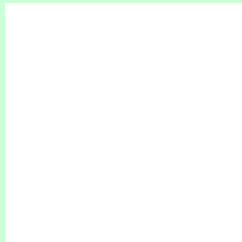
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1744, 0.3029, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 89.1744, 0.3029, 0.3711.

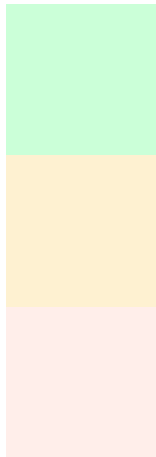


This preview shows how white text looks on a background with the Yxy color 89.1744, 0.3029, 0.3711.

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

89.1744, 0.3029, 0.3711

Protanopia

88.5849, 0.3416, 0.3609

Deuteranopia

88.3496, 0.3266, 0.3330



Tritanopia

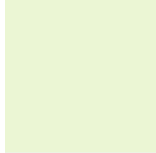
89.0188, 0.2962, 0.3189

Trichromacy



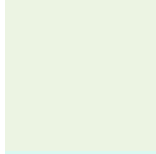
Original Color

89.1744, 0.3029, 0.3711



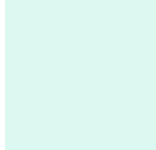
Protanomaly

88.3272, 0.3261, 0.3641



Deuteranomaly

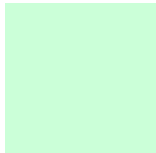
88.0803, 0.3178, 0.3464



Tritanomaly

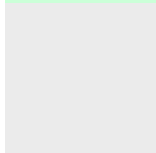
89.1623, 0.2987, 0.3372

Monochromacy



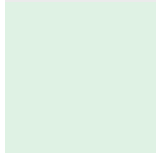
Original Color

89.1744, 0.3029, 0.3711



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7937, 0.3088, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1744, 0.3029, 0.3711 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(203, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 216)  
}
```

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(203, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 89.1744, 0.3029, 0.3711 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(203, 255, 216) }
```

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

```
.border{ border-color:rgb(203, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1744, 0.3029, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 216) }
```

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

```
.background{ background-color: rgb(203,  
255, 216) }
```

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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