

Converting Colors

$Y_{xy}(100.0000, 0.2980, 0.3804)$

Have a look what the booklet for
Yxy(100.0000, 0.2980, 0.3804)
contains.

Yxy(89.0733, 0.2978, 0.3646)	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(89.0733, 0.2978, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFDE
RGB	200, 255, 222
RGB Percent	78%, 100%, 87%
CMY	0.2159, 0.0000, 0.1293
CMYK	0.22, 0.00, 0.13, 0.00
HSL	144°, 100%, 89%
HSV	144°, 22%, 100%
XYZ	72.7538, 89.0733, 82.4771
YIQ	234.7930, -22.1870, -21.9230

Conversions

Conversions Part 2

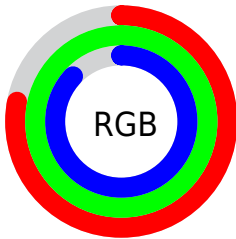
Format	Color
R_{YB}	200, 239, 255
Decimal	13172702
CIE _{Lab}	95.61, -23.70, 10.12
CIE _{LCh}	96, 25.773, 156.884
Yxy	89.0733, 0.2978, 0.3646
Android (android.graphics.Color)	4291362782 (0xFFC8FFDE)
YUV	234.7930, -6.3069, -30.5135
Hunter-Lab	94.3787, -27.5621, 14.2518

Details

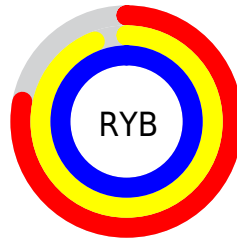
The Yxy color **89.0733, 0.2978, 0.3646** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.4196, 0.3312, 0.2959**, and the grayscale version is **82.9602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1979, 0.2942, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **85.0618, 0.2914, 0.3840**, and if you desaturate by 10%, it is **93.7300, 0.3046, 0.3470**.

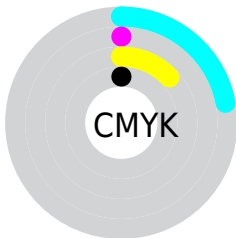
Distribution



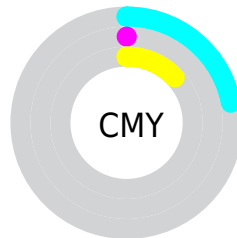
- Red (78%)
- Green (100%)
- Blue (87%)



- Red (78%)
- Yellow (94%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0733, 0.2978, 0.3646 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 89.0733, 0.2978, 0.3646 by changing the saturation by 10% instead.

 89.0733, 0.2978,
0.3646

 89.0733, 0.2978,
0.3646


525.0117, 0.3047,
0.3483

 67.2123, 0.2962,
0.3683


146.0505, 0.3002,
0.3590

 49.2572, 0.2943,
0.3728


181.9355, 0.3011,
0.3568

 34.8235, 0.2919,
0.3786


223.2639, 0.3019,
0.3549

 23.5270, 0.2887,
0.3860

270.4202, 0.3026,
0.3532

 14.9831, 0.2844,
0.3961

323.7887, 0.3032,
0.3518

 8.8075, 0.2783,
0.4105

383.7539, 0.3038,

 4.6159, 0.2688,

0.3505

0.4327

450.7001, 0.3042,
0.3493

■ 2.0237, 0.2523,
0.4709

■ 0.6212, 0.0186,
0.9814

■ 89.0733, 0.2978,
0.3646

■ 89.0733, 0.2978,
0.3646

■ 85.0618, 0.2914,
0.3840

■ 93.7300, 0.3046,
0.3470


■ 81.6862, 0.2857,
0.4052

■ 99.0825, 0.3116,
0.3313


■ 78.9058, 0.2811,
0.4278


■ 100.0000, 0.3127,
0.3290

■ 76.6837, 0.2779,
0.4514

 74.9790, 0.2764,
0.4751

 73.7446, 0.2768,
0.4981

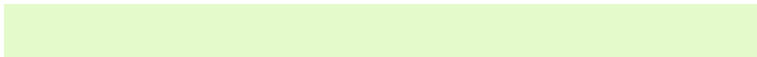
 72.9243, 0.2791,
0.5195

 72.4843, 0.2822,
0.5358

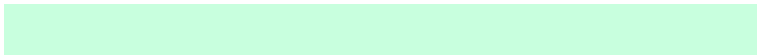
Harmonies

Analogous

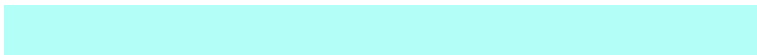
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0733, 0.3268, 0.3793



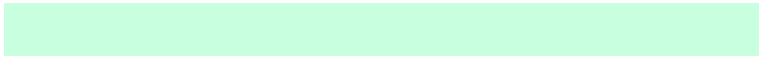
89.0733, 0.2978, 0.3646



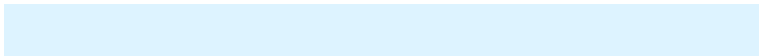
89.0733, 0.2736, 0.3391

Triad

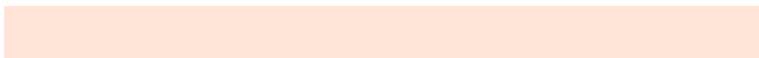
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0733, 0.2978, 0.3646



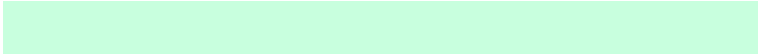
89.0733, 0.2727, 0.2815



89.0733, 0.3686, 0.3419

Complementary

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



89.0733, 0.2978, 0.3646



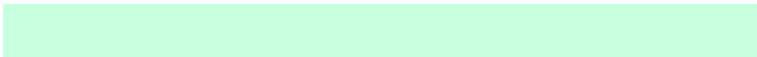
68.4196, 0.3312, 0.2959

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.



89.0733, 0.3528, 0.3177



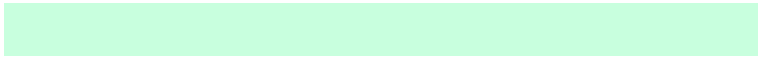
89.0733, 0.2978, 0.3646



89.0733, 0.2967, 0.2839

Square

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



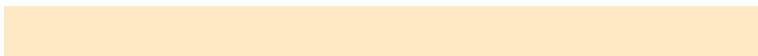
89.0733, 0.2978, 0.3646



89.0733, 0.2596, 0.2912



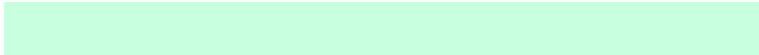
89.0733, 0.3260, 0.2969



89.0733, 0.3685, 0.3642

Rectangle

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



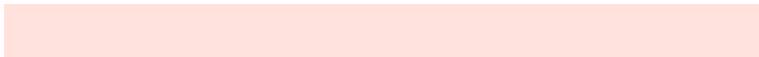
89.0733, 0.2978, 0.3646



89.0733, 0.2631, 0.3206



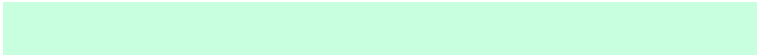
89.0733, 0.3260, 0.2969



89.0733, 0.3649, 0.3338

Sweetspot

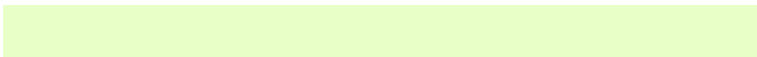
The Sweet Spot groups the original color and five complimentary colors.



89.0660, 0.2978, 0.3646



96.6365, 0.3085, 0.3380



93.0070, 0.3308, 0.3857



20.6091, 0.3081, 0.3390



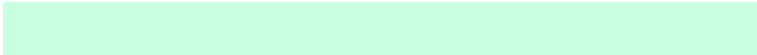
0.0000, 0.0000, 0.0000



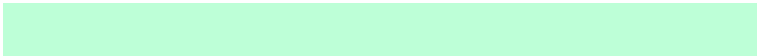
21.4041, 0.3127, 0.3290

Same Dimension

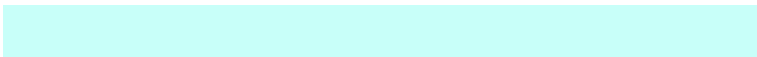
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0660, 0.2978, 0.3646



87.2215, 0.2949, 0.3729



90.6616, 0.2833, 0.3347



20.2889, 0.3061, 0.3436



37.9022, 0.2813, 0.5328



3.7113, 0.2750, 0.5101

Inverse Universe

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



68.4196, 0.3312, 0.2959



63.1508, 0.3359, 0.2889



66.9702, 0.3524, 0.3235



18.1698, 0.3200, 0.3149



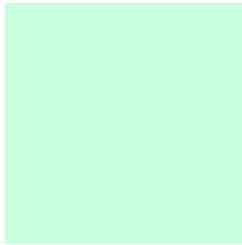
12.3365, 0.4548, 0.2279



1.2228, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 89.0733, 0.2978, 0.3646 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 89.0733, 0.2978, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

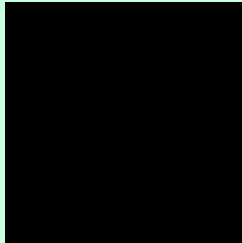
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0733, 0.2978, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 89.0733, 0.2978, 0.3646.

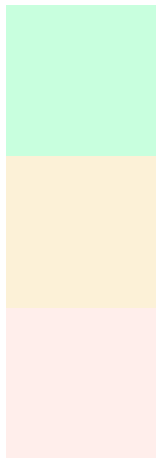


This preview shows how white text looks on a background with the Yxy color 89.0733, 0.2978, 0.3646.

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

89.0733, 0.2978, 0.3646

Protanopia

88.5123, 0.3364, 0.3550

Deuteranopia

88.4072, 0.3260, 0.3320



Tritanopia

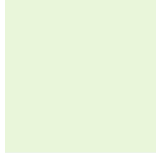
88.6936, 0.2950, 0.3189

Trichromacy



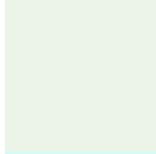
Original Color

89.0733, 0.2978, 0.3646



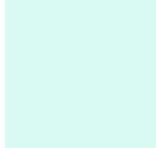
Protanomaly

88.2971, 0.3211, 0.3579



Deuteranomaly

88.0767, 0.3153, 0.3433



Tritanomaly

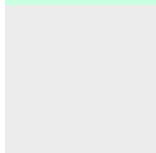
88.9741, 0.2963, 0.3352

Monochromacy



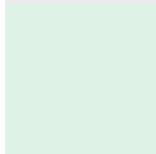
Original Color

89.0733, 0.2978, 0.3646



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7470, 0.3070, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0733, 0.2978, 0.3646 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(200, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 222)  
}
```

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(200, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 89.0733, 0.2978, 0.3646 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(200, 255, 222) }
```

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

```
.border{ border-color:rgb(200, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0733, 0.2978, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 222) }
```

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

```
.background{ background-color: rgb(200,  
255, 222) }
```

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