

# Converting Colors

$Yxy(79.2969, 0.3088, 0.3678)$

Have a look what the booklet for  
Yxy(79.2969, 0.3088, 0.3678)  
contains.

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# Color

**Yxy(79.2845, 0.3089, 0.3681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF0CD
RGB	202, 240, 205
RGB Percent	79%, 94%, 80%
CMY	0.2079, 0.0588, 0.1960
CMYK	0.16, 0.00, 0.15, 0.06
HSL	125°, 56%, 87%
HSV	125°, 16%, 94%
XYZ	66.5335, 79.2845, 69.5705
YIQ	224.6480, -11.4130, -18.9410

# Conversions

## Conversions Part 2

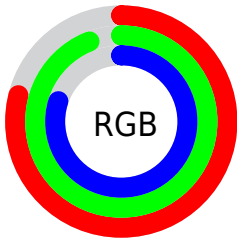
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 237, 240
Decimal	13299917
CIE <sub>Lab</sub>	91.36, -18.82, 12.85
CIE <sub>LCh</sub>	91, 22.785, 145.676
Yxy	79.2845, 0.3089, 0.3681
Android (android.graphics.Color)	4291489997 (0xFFCAF0CD)
YUV	224.6480, -9.6865, -19.8623
Hunter-Lab	89.0418, -22.4451, 16.0046

# Details

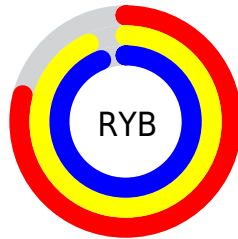
The Yxy color **79.2845, 0.3089, 0.3681** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.8674, 0.3167, 0.2928**, and the grayscale version is **75.1060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8112, 0.3080, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **75.2046, 0.3064, 0.3969**, and if you desaturate by 10%, it is **84.0422, 0.3113, 0.3425**.

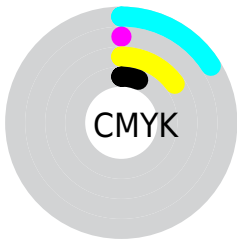
# Distribution



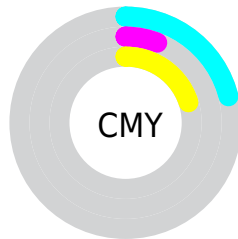
- Red (79%)
- Green (94%)
- Blue (80%)



- Red (79%)
- Yellow (93%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (21%)
- Magenta (6%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2845, 0.3089, 0.3681 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 79.2845, 0.3089, 0.3681 by changing the saturation by 10% instead.




 79.2845, 0.3089,  
0.3681

 79.2845, 0.3089,  
0.3681

492.5183, 0.3109,  
0.3498

 59.1298, 0.3084,  
0.3723

132.3593, 0.3096,  
0.3617

 42.7176, 0.3077,  
0.3776


166.0481, 0.3099,  
0.3592

 29.6636, 0.3069,  
0.3843


205.0171, 0.3101,  
0.3571

 19.5834, 0.3057,  
0.3932

249.6507, 0.3103,  
0.3553

 12.0926, 0.3039,  
0.4054

300.3332, 0.3105,  
0.3536

 6.8068, 0.3010,  
0.4233


357.4490, 0.3106,


 3.3415, 0.2958,


0.3522

0.4518


421.3826, 0.3108,  
0.3509

 1.3125, 0.2921,  
0.5208


 0.1509, 0.0000,  
1.0000


 79.2845, 0.3089,  
0.3681

 79.2845, 0.3089,  
0.3681


 75.2046, 0.3064,  
0.3969

 84.0422, 0.3113,  
0.3425

 71.7621, 0.3039,  
0.4284

 89.4959, 0.3137,  
0.3201

 68.9278, 0.3016,  
0.4619

 90.8059, 0.3134,  
0.3146

 66.6663, 0.2997,  
0.4958

■ 64.9384, 0.2984,  
0.5281

■ 63.7000, 0.2977,  
0.5562

■ 62.9001, 0.2978,  
0.5780

■ 62.4762, 0.2986,  
0.5922

■ 62.3739, 0.2989,  
0.5959

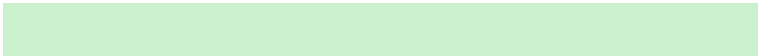
# Harmonies

## Analogous

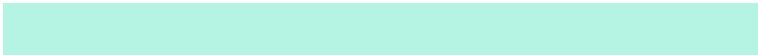
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2845, 0.3354, 0.3765



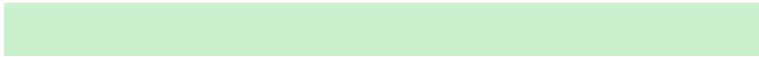
79.2845, 0.3089, 0.3681



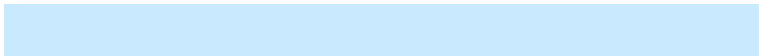
79.2845, 0.2842, 0.3477

# Triad

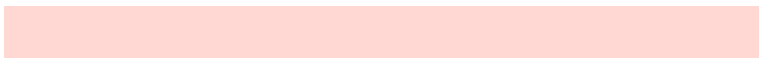
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.2845, 0.3089, 0.3681



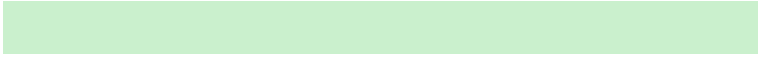
79.2845, 0.2700, 0.2873



79.2845, 0.3601, 0.3326

# Complementary

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



79.2845, 0.3089, 0.3681



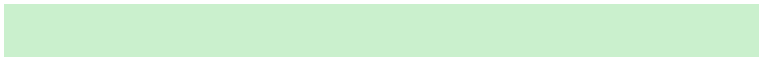
66.8674, 0.3167, 0.2928

# 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.



79.2845, 0.3412, 0.3109



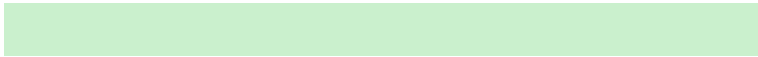
79.2845, 0.3089, 0.3681



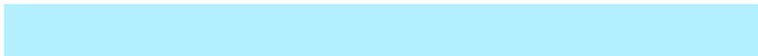
79.2845, 0.2889, 0.2853

# Square

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



79.2845, 0.3089, 0.3681



79.2845, 0.2624, 0.3004



79.2845, 0.3148, 0.2939

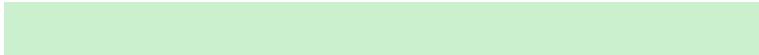


79.2845, 0.3657, 0.3545



# Rectangle

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



79.2845, 0.3089, 0.3681



79.2845, 0.2718, 0.3308



79.2845, 0.3148, 0.2939



79.2845, 0.3551, 0.3251

# Sweetspot

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



79.2879, 0.3089, 0.3681



96.9291, 0.3115, 0.3405



84.6751, 0.3348, 0.3686



20.6579, 0.3114, 0.3422



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

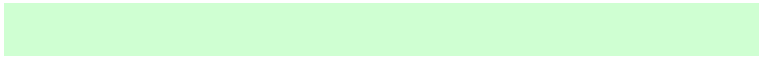


# Same Dimension

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



79.2879, 0.3089, 0.3681



89.3958, 0.3081, 0.3770



80.2350, 0.2981, 0.3471



17.6770, 0.3105, 0.3514



34.1488, 0.2985, 0.5947



2.8479, 0.2950, 0.5819



# Inverse Universe

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



66.8674, 0.3167, 0.2928



72.6399, 0.3176, 0.2853



65.8414, 0.3302, 0.3116



16.0082, 0.3150, 0.3076



13.0003, 0.3422, 0.1659

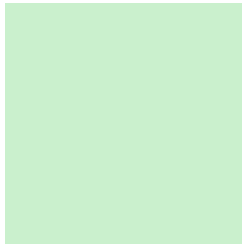


1.0879, 0.3391, 0.1641



# Previews

## White Background



This preview shows how the Yxy color 79.2845, 0.3089, 0.3681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

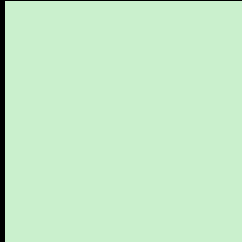
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2845, 0.3089, 0.3681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

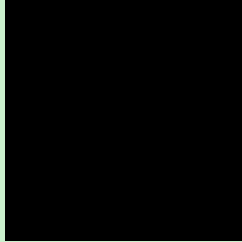
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

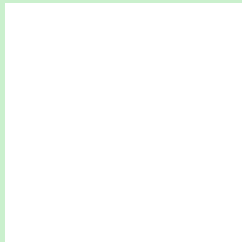
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.2845, 0.3089, 0.3681**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2845, 0.3089, 0.3681.

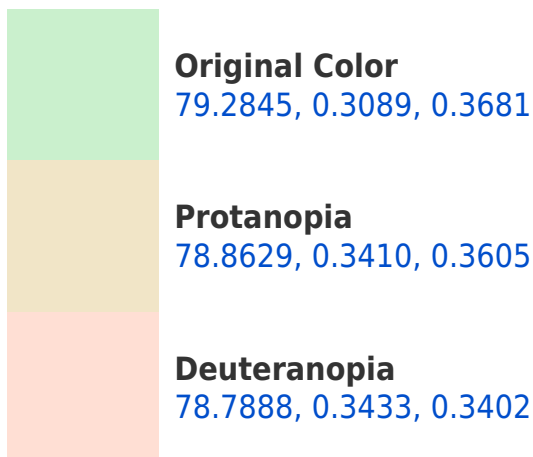


This preview shows how white text looks on a background with the Yxy color 79.2845, 0.3089, 0.3681.

# 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

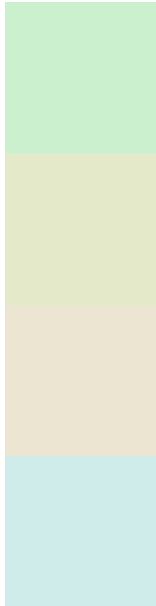




## Tritanopia

79.0077, 0.2865, 0.3089

# Trichromacy



**Original Color**

79.2845, 0.3089, 0.3681

**Protanomaly**

78.8258, 0.3290, 0.3634

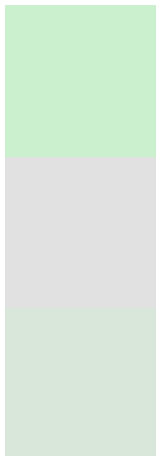
**Deuteranomaly**

78.4749, 0.3307, 0.3501

**Tritanomaly**

79.2545, 0.2945, 0.3300

# Monochromacy



**Original Color**

79.2845, 0.3089, 0.3681

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.4073, 0.3114, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2845, 0.3089, 0.3681 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(202, 240, 205)` looks like.

```
.text, #text, p{  
    color:rgb(202, 240, 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(202, 240, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 240, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2845, 0.3089, 0.3681 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(202, 240, 205) }
```

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

```
.border{ border-color:rgb(202, 240, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 240, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(202, 240,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2845, 0.3089, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 240, 205) }
```

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

```
.background{ background-color: rgb(202,  
240, 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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