

Converting Colors

$Yxy(78.8625, 0.3148, 0.3802)$

Have a look what the booklet for
Yxy(78.8625, 0.3148, 0.3802)
contains.

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Color

Yxy(78.8169, 0.3149, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	CAF0C3
RGB	202, 240, 195
RGB Percent	79%, 94%, 76%
CMY	0.2079, 0.0588, 0.2353
CMYK	0.16, 0.00, 0.19, 0.06
HSL	111°, 60%, 85%
HSV	111°, 19%, 94%
XYZ	65.3659, 78.8169, 63.3939
YIQ	223.5080, -8.2030, -22.0510

Conversions

Conversions Part 2

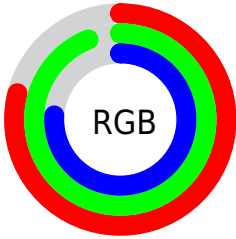
Format	Color
RYB	195, 240, 233
Decimal	13299907
CIELab	91.15, -20.52, 17.74
CIElCh	91, 27.124, 139.153
Yxy	78.8169, 0.3149, 0.3797
Android (android.graphics.Color)	4291489987 (0xFFCAF0C3)
YUV	223.5080, -14.0544, -18.8625
Hunter-Lab	88.7789, -23.9374, 19.8083

Details

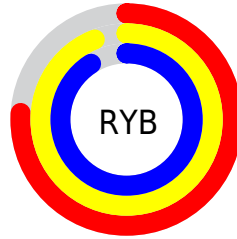
The Yxy color **78.8169, 0.3149, 0.3797** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6446, 0.3096, 0.2817**, and the grayscale version is **74.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **42.4071, 0.3147, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **75.1764, 0.3157, 0.4110**, and if you desaturate by 10%, it is **83.0099, 0.3138, 0.3513**.

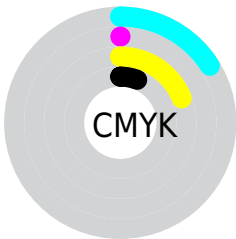
Distribution



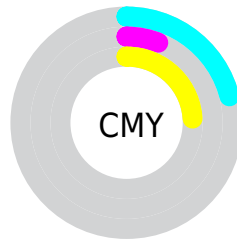
- Red (79%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)





- Cyan (21%)
- Magenta (6%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8169, 0.3149, 0.3797 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 78.8169, 0.3149, 0.3797 by changing the saturation by 10% instead.


 78.8169, 0.3149,
0.3797

 78.8169, 0.3149,
0.3797


490.9367, 0.3143,
0.3558

 58.7453, 0.3149,
0.3853


131.7011, 0.3148,
0.3713

 42.4081, 0.3149,
0.3922


165.2824, 0.3147,
0.3681

 29.4210, 0.3148,
0.4010


204.1357, 0.3146,
0.3653

 19.3995, 0.3146,
0.4126

248.6455, 0.3145,
0.3629

 11.9593, 0.3139,
0.4287

299.1961, 0.3145,
0.3608

 6.7160, 0.3124,
0.4523

356.1719, 0.3144,

 3.2851, 0.3086,

0.3590

0.4898

419.9573, 0.3143,
0.3573

1.2823, 0.3267,
0.6229

0.1275, 0.0000,
1.0000

78.8169, 0.3149,
0.3797

78.8169, 0.3149,
0.3797

75.1764, 0.3157,
0.4110

83.0099, 0.3138,
0.3513

72.0557, 0.3160,
0.4446

87.7667, 0.3126,
0.3260

69.4338, 0.3157,
0.4791

90.8043, 0.3134,
0.3146

67.2845, 0.3147,
0.5129

■ 65.5791, 0.3129,
0.5435

■ 64.2857, 0.3104,
0.5685

■ 63.3678, 0.3074,
0.5861

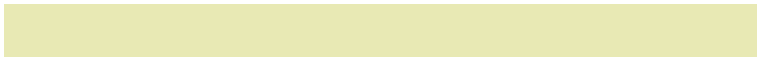
■ 62.7791, 0.3042,
0.5960

■ 62.7237, 0.3039,
0.5969

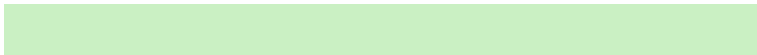
Harmonies

Analogous

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



78.8169, 0.3459, 0.3858



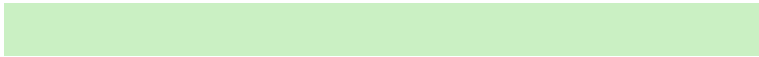
78.8169, 0.3149, 0.3797



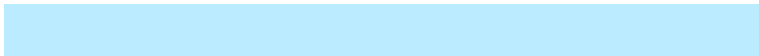
78.8169, 0.2844, 0.3576

Triad

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



78.8169, 0.3149, 0.3797



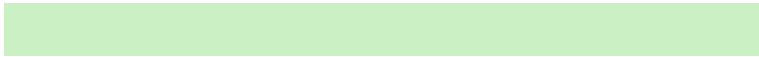
78.8169, 0.2589, 0.2817



78.8169, 0.3656, 0.3272

Complementary

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



78.8169, 0.3149, 0.3797



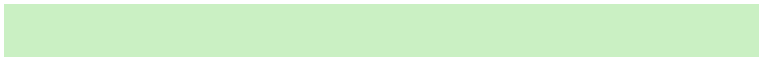
62.6446, 0.3096, 0.2817

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.



78.8169, 0.3402, 0.3025



78.8169, 0.3149, 0.3797



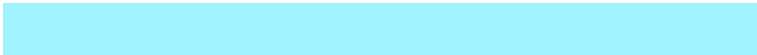
78.8169, 0.2785, 0.2767

Square

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



78.8169, 0.3149, 0.3797



78.8169, 0.2531, 0.2995



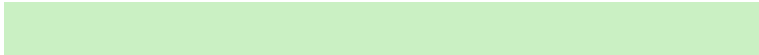
78.8169, 0.3079, 0.2844



78.8169, 0.3762, 0.3535

Rectangle

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



78.8169, 0.3149, 0.3797



78.8169, 0.2683, 0.3377



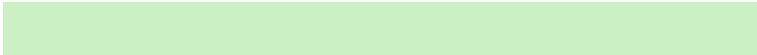
78.8169, 0.3079, 0.2844



78.8169, 0.3585, 0.3185

Sweetspot

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



78.8203, 0.3149, 0.3797



96.6848, 0.3135, 0.3441



80.4645, 0.3423, 0.3683



20.6204, 0.3136, 0.3458



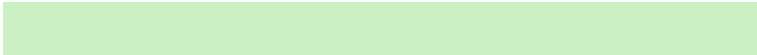
0.0000, 0.0000, 0.0000



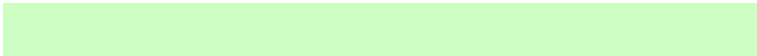
21.4041, 0.3127, 0.3290

Same Dimension

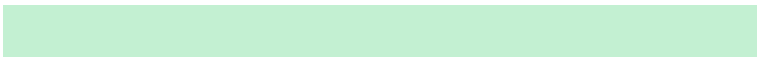
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8203, 0.3149, 0.3797



88.5678, 0.3153, 0.3929



78.5790, 0.3015, 0.3628



17.7744, 0.3139, 0.3532



34.3698, 0.3046, 0.5964



2.8944, 0.3118, 0.5906

Inverse Universe

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



62.6446, 0.3096, 0.2817



66.4288, 0.3086, 0.2704



62.9911, 0.3260, 0.2974



15.8997, 0.3113, 0.3056



10.4170, 0.2819, 0.1327



0.8998, 0.2873, 0.1357

Previews

White Background



This preview shows how the Yxy color 78.8169, 0.3149, 0.3797 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 78.8169, 0.3149, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

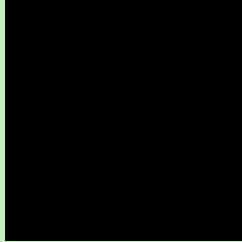
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

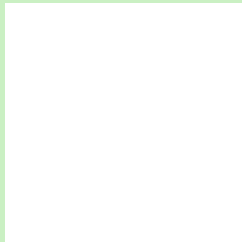
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8169, 0.3149, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 78.8169, 0.3149, 0.3797.

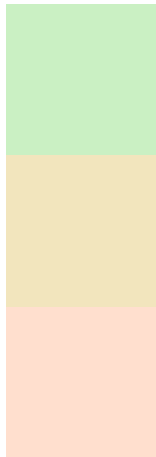


This preview shows how white text looks on a background with the Yxy color 78.8169, 0.3149, 0.3797.

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

78.8169, 0.3149, 0.3797

Protanopia

78.5900, 0.3485, 0.3710

Deuteranopia

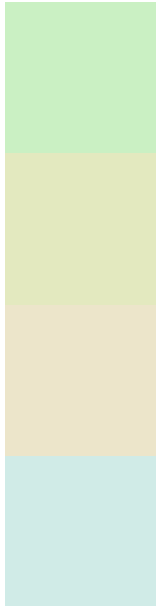
78.4916, 0.3475, 0.3463



Tritanopia

78.5271, 0.2877, 0.3089

Trichromacy



Original Color

78.8169, 0.3149, 0.3797

Protanomaly

78.3703, 0.3355, 0.3744

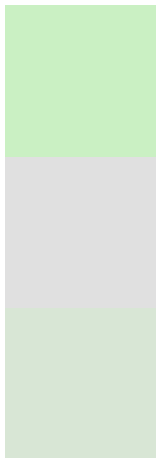
Deuteranomaly

78.1358, 0.3353, 0.3576

Tritanomaly

78.5961, 0.2975, 0.3333

Monochromacy



Original Color

78.8169, 0.3149, 0.3797

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.9967, 0.3139, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8169, 0.3149, 0.3797 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(202, 240, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 240, 195) }
```

Border

The CSS property to change the border of an element to Yxy 78.8169, 0.3149, 0.3797 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, 195) }
```

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

```
.border{ border-color:rgb(202, 240, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(202, 240,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8169, 0.3149, 0.3797 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, 195) }
```

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

```
.background{ background-color: rgb(202,  
240, 195) }
```

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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