

Converting Colors

$Yxy(84.3280, 0.3092, 0.4178)$

Have a look what the booklet for
Yxy(84.3280, 0.3092, 0.4178)
contains.

Yxy(84.3181, 0.3091, 0.4178)	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(84.3181, 0.3091, 0.4178)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFB2
RGB	179, 255, 178
RGB Percent	70%, 100%, 70%
CMY	0.2982, 0.0000, 0.3019
CMYK	0.30, 0.00, 0.30, 0.00
HSL	119°, 100%, 85%
HSV	119°, 30%, 100%
XYZ	62.3809, 84.3181, 55.1155
YIQ	223.4980, -20.5790, -40.0590

Conversions

Conversions Part 2

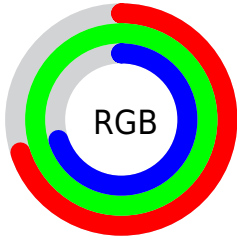
Format	Color
RYB	178, 255, 254
Decimal	11796402
CIELab	93.59, -37.85, 29.55
CIELCh	94, 48.018, 142.015
Yxy	84.3181, 0.3091, 0.4178
Android (android.graphics.Color)	4289986482 (0xFFB3FFB2)
YUV	223.4980, -22.4305, -39.0247
Hunter-Lab	91.8249, -39.4303, 28.6901

Details

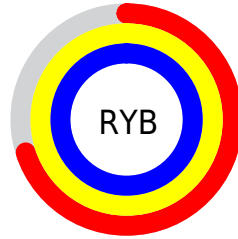
The Yxy color **84.3181, 0.3091, 0.4178** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1502, 0.3155, 0.2535**, and the grayscale version is **74.3306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2934, 0.3130, 0.3500**, and **46.1539, 0.3068, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **80.6519, 0.3076, 0.4531**, and if you desaturate by 10%, it is **88.7151, 0.3105, 0.3850**.

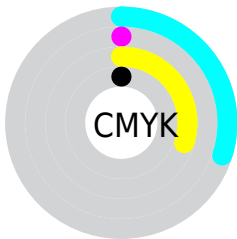
Distribution



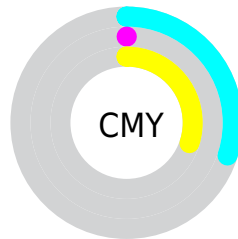
- Red (70%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3181, 0.3091, 0.4178 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 84.3181, 0.3091, 0.4178 by changing the saturation by 10% instead.

 84.3181, 0.3091,
0.4178

 84.3181, 0.3091,
0.4178


509.3690, 0.3120,
0.3756

 63.2781, 0.3082,
0.4276


 139.4201, 0.3103,
0.4030

 46.0662, 0.3068,
0.4399


174.2508, 0.3107,
0.3973

 32.2981, 0.3049,
0.4555


214.4473, 0.3111,
0.3924

 21.5893, 0.3019,
0.4761

260.3938, 0.3113,
0.3881

 13.5554, 0.2972,
0.5043

312.4749, 0.3115,
0.3844

 7.8121, 0.2887,
0.5450

371.0748, 0.3117,

 3.9750, 0.2726,

0.3812

0.6085

436.5781, 0.3118,
0.3782

■ 1.6596, 0.2336,
0.7664

■ 0.3973, 0.0000,
1.0000

■ 84.3181, 0.3091,
0.4178

■ 84.3181, 0.3091,
0.4178

■ 80.6519, 0.3076,
0.4531

■ 88.7151, 0.3105,
0.3850

■ 77.6876, 0.3060,
0.4892

■ 93.8918, 0.3117,
0.3555

■ 75.3770, 0.3043,
0.5240

99.8791, 0.3127,
0.3295

■ 73.6707, 0.3028,
0.5546

100.0000, 0.3127,
0.3290

■ 72.5123, 0.3015,
0.5782

■ 71.8348, 0.3006,
0.5931

■ 71.5401, 0.3002,
0.5999

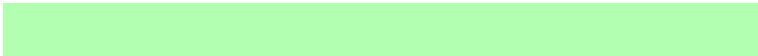
Harmonies

Analogous

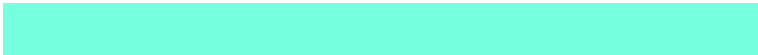
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3181, 0.3627, 0.4288



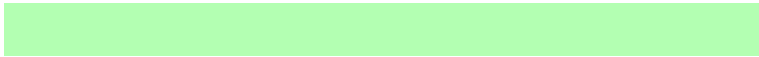
84.3181, 0.3091, 0.4178



84.3181, 0.2590, 0.3747

Triad

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



84.3181, 0.3091, 0.4178



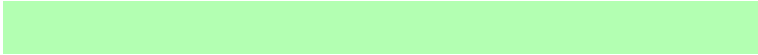
84.3181, 0.2251, 0.2472



84.3181, 0.4081, 0.3277

Complementary

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



84.3181, 0.3091, 0.4178



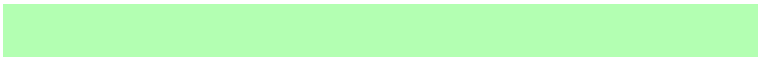
60.1502, 0.3155, 0.2535

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.



84.3181, 0.3646, 0.2877



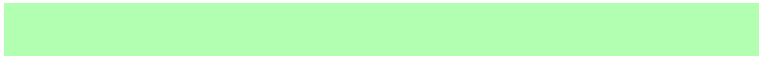
84.3181, 0.3091, 0.4178



84.3181, 0.2583, 0.2429

Square

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



84.3181, 0.3091, 0.4178



84.3181, 0.2136, 0.2728



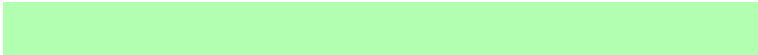
84.3181, 0.3086, 0.2576



84.3181, 0.4228, 0.3708

Rectangle

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



84.3181, 0.3091, 0.4178



84.3181, 0.2341, 0.3373



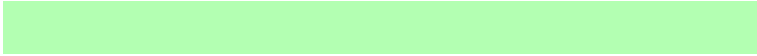
84.3181, 0.3086, 0.2576



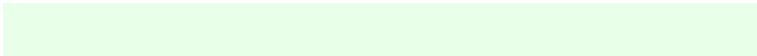
84.3181, 0.3962, 0.3137

Sweetspot

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



84.3143, 0.3091, 0.4178



94.5603, 0.3118, 0.3522



95.1792, 0.3588, 0.4036



20.0650, 0.3116, 0.3562



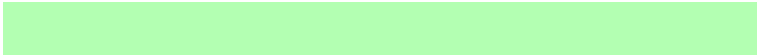
0.0000, 0.0000, 0.0000



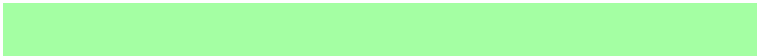
21.4041, 0.3127, 0.3290

Same Dimension

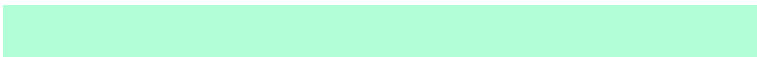
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3143, 0.3091, 0.4178



82.0985, 0.3082, 0.4381



85.9052, 0.2890, 0.3737



20.1788, 0.3117, 0.3536



37.3858, 0.3002, 0.5998



3.6437, 0.3009, 0.5993

Inverse Universe

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



60.1502, 0.3155, 0.2535



54.5330, 0.3160, 0.2393



58.1596, 0.3460, 0.2884



18.2884, 0.3136, 0.3056



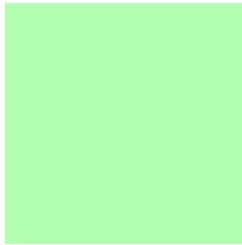
14.5798, 0.3179, 0.1525



1.4231, 0.3182, 0.1527

Previews

White Background



This preview shows how the Yxy color 84.3181, 0.3091, 0.4178 looks on a white background.

Color Contrast Check

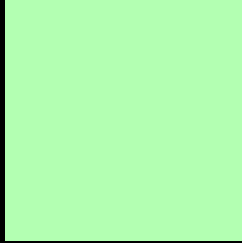
Large Text (above 18pt) WCAG AA × Fail

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 84.3181, 0.3091, 0.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

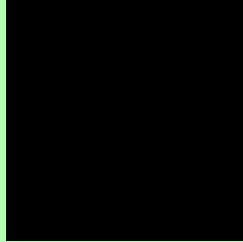
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3181, 0.3091, 0.4178

Background



This preview shows how black text looks on a background with the Yxy color 84.3181, 0.3091, 0.4178.

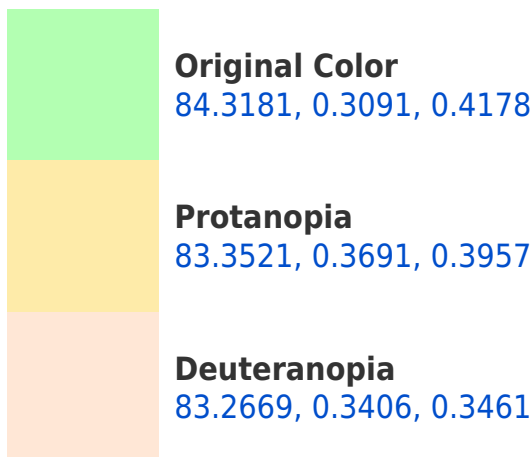


This preview shows how white text looks on a background with the Yxy color 84.3181, 0.3091, 0.4178.

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

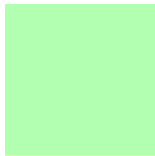




Tritanopia

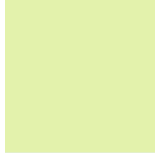
83.6859, 0.2847, 0.3143

Trichromacy



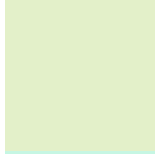
Original Color

84.3181, 0.3091, 0.4178



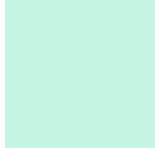
Protanomaly

82.8137, 0.3458, 0.4040



Deuteranomaly

82.8681, 0.3281, 0.3706



Tritanomaly

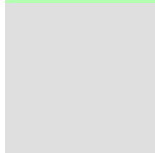
83.4634, 0.2938, 0.3497

Monochromacy



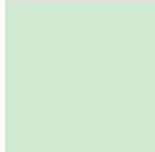
Original Color

84.3181, 0.3091, 0.4178



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1871, 0.3113, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3181, 0.3091, 0.4178 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(179, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 178)  
}
```

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(179, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 84.3181, 0.3091, 0.4178 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(179, 255, 178) }
```

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

```
.border{ border-color:rgb(179, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3181, 0.3091, 0.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 178) }
```

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

```
.background{ background-color: rgb(179,  
255, 178) }
```

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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