

Converting Colors

$Yxy(83.8268, 0.3020, 0.4016)$

Have a look what the booklet for
Yxy(83.8268, 0.3020, 0.4016)
contains.

Yxy(84.1102, 0.3017, 0.4015)	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(84.1102, 0.3017, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	B2FEBF
RGB	178, 254, 191
RGB Percent	70%, 100%, 75%
CMY	0.3020, 0.0039, 0.2511
CMYK	0.30, 0.00, 0.25, 0.00
HSL	130°, 97%, 85%
HSV	130°, 30%, 100%
XYZ	63.2031, 84.1102, 62.1766
YIQ	224.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

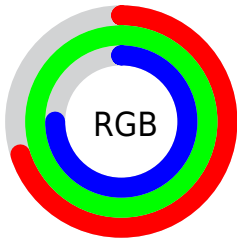
Format	Color
RYB	178, 243, 254
Decimal	11730623
CIELab	93.50, -35.56, 22.86
CIElCh	93, 42.273, 147.260
Yxy	84.1102, 0.3017, 0.4015
Android (android.graphics.Color)	4289920703 (0xFFB2FEBF)
YUV	224.0940, -16.3153, -40.4244
Hunter-Lab	91.7116, -37.4820, 24.0020

Details

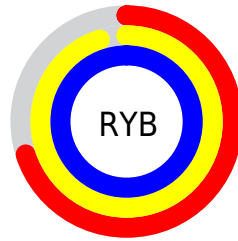
The Yxy color **84.1102, 0.3017, 0.4015** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.2663, 0.3262, 0.2660**, and the grayscale version is **74.7447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9595, 0.3044, 0.3359**, and **45.9496, 0.2984, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **80.5205, 0.2984, 0.4309**, and if you desaturate by 10%, it is **88.3966, 0.3053, 0.3745**.

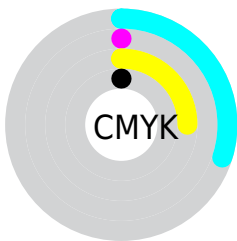
Distribution



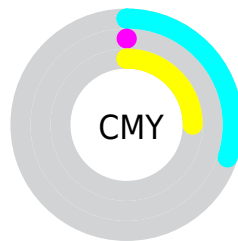
- Red (70%)
- Green (100%)
- Blue (75%)



- Red (70%)
- Yellow (95%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1102, 0.3017, 0.4015 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 84.1102, 0.3017, 0.4015 by changing the saturation by 10% instead.

 84.1102, 0.3017,
0.4015

 84.1102, 0.3017,
0.4015


508.6791, 0.3075,
0.3672

 63.1064, 0.3002,
0.4095


 139.1293, 0.3038,
0.3895

 45.9273, 0.2983,
0.4194


173.9135, 0.3046,
0.3848

 32.1885, 0.2957,
0.4321


214.0598, 0.3053,
0.3809

 21.5055, 0.2921,
0.4489

259.9528, 0.3059,
0.3774

 13.4940, 0.2867,
0.4720

311.9769, 0.3064,
0.3744

 7.7696, 0.2782,
0.5057


370.5163, 0.3068,


 3.9479, 0.2630,


0.3717


0.5587


435.9556, 0.3072,
0.3693

 1.6444, 0.2482,
0.7389


 0.3873, 0.0000,
1.0000


 84.1102, 0.3017,
0.4015

 84.1102, 0.3017,
0.4015


 80.5205, 0.2984,
0.4309


 88.3966, 0.3053,
0.3745

 77.5805, 0.2956,
0.4619

 93.4029, 0.3091,
0.3503

 75.2539, 0.2936,
0.4933

 99.1641, 0.3127,
0.3288

 73.4966, 0.2926,
0.5233

 99.3683, 0.3128,
0.3281

■ 72.2582, 0.2928,
0.5500

■ 71.4794, 0.2942,
0.5715

■ 71.0678, 0.2963,
0.5868

■ 71.0653, 0.2963,
0.5868

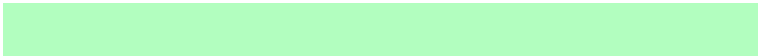
Harmonies

Analogous

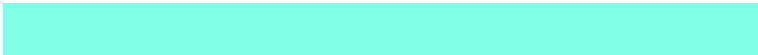
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1102, 0.3496, 0.4171



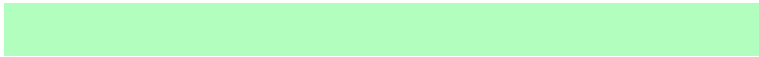
84.1102, 0.3017, 0.4015



84.1102, 0.2589, 0.3608

Triad

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



84.1102, 0.3017, 0.4015



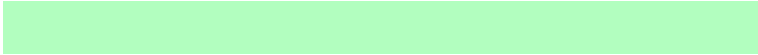
84.1102, 0.2386, 0.2542



84.1102, 0.4009, 0.3352

Complementary

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



84.1102, 0.3017, 0.4015



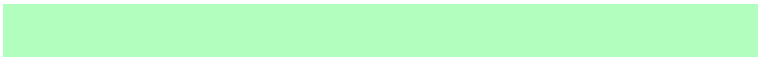
59.2663, 0.3262, 0.2660

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.



84.1102, 0.3665, 0.2982



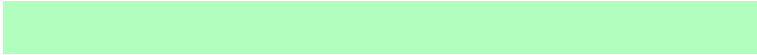
84.1102, 0.3017, 0.4015



84.1102, 0.2715, 0.2532

Square

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



84.1102, 0.3017, 0.4015



84.1102, 0.2246, 0.2743



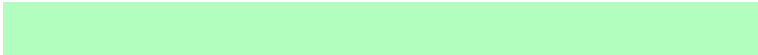
84.1102, 0.3180, 0.2691



84.1102, 0.4091, 0.3735

Rectangle

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



84.1102, 0.3017, 0.4015



84.1102, 0.2385, 0.3281



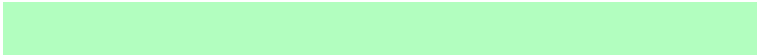
84.1102, 0.3180, 0.2691



84.1102, 0.3920, 0.3224

Sweetspot

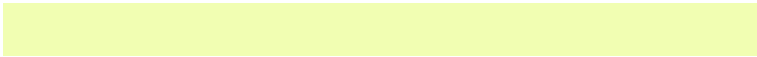
The Sweet Spot groups the original color and five complimentary colors.



84.1137, 0.3017, 0.4015



94.7384, 0.3094, 0.3482



92.8633, 0.3494, 0.4063



20.1084, 0.3089, 0.3515



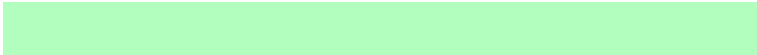
0.0000, 0.0000, 0.0000



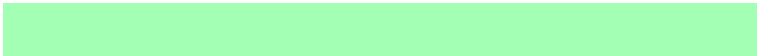
21.4041, 0.3127, 0.3290

Same Dimension

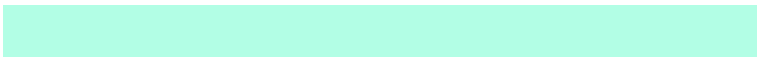
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1137, 0.3017, 0.4015



82.5769, 0.2996, 0.4192



85.9922, 0.2820, 0.3571



20.2187, 0.3092, 0.3493



37.4785, 0.2958, 0.5849



3.6625, 0.2908, 0.5667

Inverse Universe

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



59.2663, 0.3262, 0.2660



53.7772, 0.3296, 0.2532



57.2412, 0.3577, 0.3028



18.2440, 0.3164, 0.3095



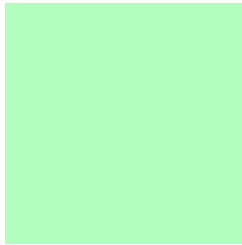
13.5985, 0.3695, 0.1809



1.3375, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 84.1102, 0.3017, 0.4015 looks on a white background.

Color Contrast Check

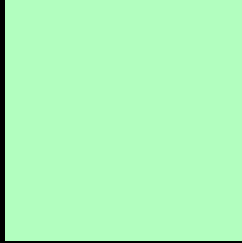
Large Text (above 18pt) WCAG AA × Fail

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 84.1102, 0.3017, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

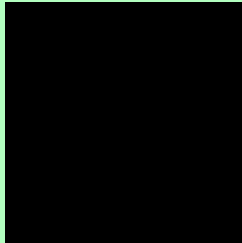
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1102, 0.3017, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 84.1102, 0.3017, 0.4015.

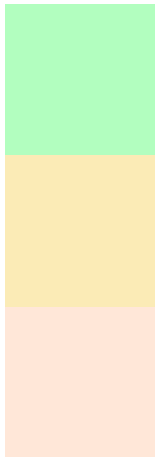


This preview shows how white text looks on a background with the Yxy color 84.1102, 0.3017, 0.4015.

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

84.1102, 0.3017, 0.4015

Protanopia

83.3033, 0.3584, 0.3831

Deuteranopia

83.3697, 0.3393, 0.3441



Tritanopia

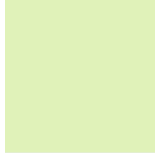
83.3960, 0.2835, 0.3143

Trichromacy



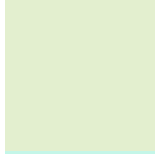
Original Color

84.1102, 0.3017, 0.4015



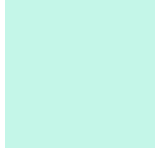
Protanomaly

82.8543, 0.3357, 0.3904



Deuteranomaly

82.5689, 0.3245, 0.3630



Tritanomaly

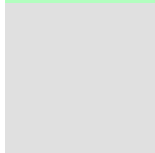
83.4735, 0.2898, 0.3442

Monochromacy



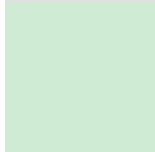
Original Color

84.1102, 0.3017, 0.4015



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4355, 0.3082, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1102, 0.3017, 0.4015 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(178, 254, 191)` looks like.

```
.text, #text, p{  
    color:rgb(178, 254, 191)  
}
```

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(178, 254, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 254, 191) }
```

Border

The CSS property to change the border of an element to Yxy 84.1102, 0.3017, 0.4015 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(178, 254, 191) }
```

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

```
.border{ border-color:rgb(178, 254, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 254, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 254, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 254, 191);  
box-shadow:4px 4px 4px 4px rgb(178, 254,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1102, 0.3017, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 254, 191) }
```

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

```
.background{ background-color: rgb(178,  
254, 191) }
```

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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