

Converting Colors

$Yxy(83.8497, 0.3091, 0.4201)$

Have a look what the booklet for
Yxy(83.8497, 0.3091, 0.4201)
contains.

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Color

Yxy(84.0017, 0.3090, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFB0
RGB	177, 255, 176
RGB Percent	69%, 100%, 69%
CMY	0.3059, 0.0000, 0.3098
CMYK	0.31, 0.00, 0.31, 0.00
HSL	119°, 100%, 85%
HSV	119°, 31%, 100%
XYZ	61.7278, 84.0017, 54.0368
YIQ	222.6720, -21.1290, -41.1050

Conversions

Conversions Part 2

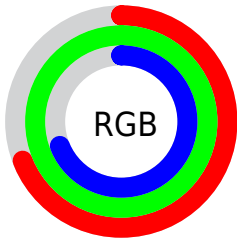
Format	Color
RYB	176, 255, 254
Decimal	11665328
CIELab	93.45, -38.78, 30.36
CIElCh	93, 49.250, 141.938
Yxy	84.0017, 0.3090, 0.4205
Android (android.graphics.Color)	4289855408 (0xFFB1FFB0)
YUV	222.6720, -23.0093, -40.0543
Hunter-Lab	91.6524, -40.1723, 29.2003

Details

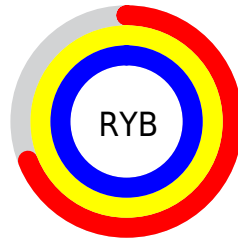
The Yxy color **84.0017, 0.3090, 0.4205** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.3454, 0.3156, 0.2515**, and the grayscale version is **73.7240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8386, 0.3129, 0.3522**, and **45.9558, 0.3067, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **80.3963, 0.3075, 0.4559**, and if you desaturate by 10%, it is **88.3423, 0.3104, 0.3875**.

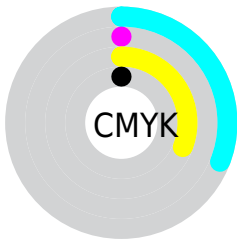
Distribution



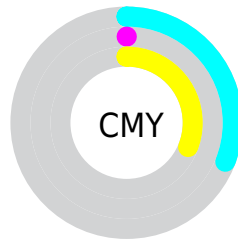
- Red (69%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0017, 0.3090, 0.4205 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 84.0017, 0.3090, 0.4205 by changing the saturation by 10% instead.


 84.0017, 0.3090,
0.4205

 84.0017, 0.3090,
0.4205


508.3189, 0.3120,
0.3770

 63.0168, 0.3080,
0.4307

 138.9776, 0.3103,
0.4052

 45.8548, 0.3066,
0.4433


173.7373, 0.3107,
0.3993

 32.1313, 0.3046,
0.4595


213.8576, 0.3110,
0.3943

 21.4618, 0.3014,
0.4808

259.7226, 0.3113,
0.3899

 13.4620, 0.2963,
0.5101

311.7168, 0.3115,
0.3860

 7.7474, 0.2873,
0.5522


370.2247, 0.3117,


 3.9338, 0.2705,

0.3827

0.6187

435.6306, 0.3119,
0.3797

 1.6366, 0.2227,
0.7773


 0.3821, 0.0000,
1.0000


 84.0017, 0.3090,
0.4205


 84.0017, 0.3090,
0.4205

 80.3963, 0.3075,
0.4559

 88.3423, 0.3104,
0.3875

 77.4852, 0.3058,
0.4921

 93.4555, 0.3116,
0.3577

 75.2239, 0.3042,
0.5266

 99.3764, 0.3126,
0.3314

 73.5625, 0.3027,
0.5567

100.0000, 0.3127,
0.3290

■ 72.4440, 0.3015,
0.5797

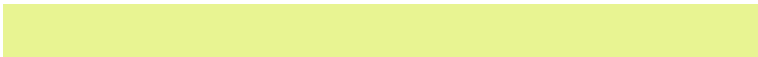
■ 71.8005, 0.3006,
0.5939

■ 71.5407, 0.3002,
0.5999

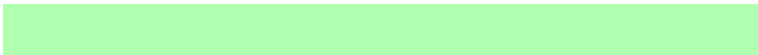
Harmonies

Analogous

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



84.0017, 0.3640, 0.4315



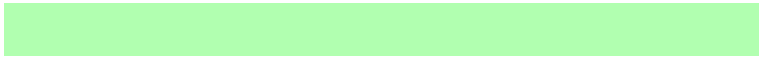
84.0017, 0.3090, 0.4205



84.0017, 0.2577, 0.3761

Triad

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



84.0017, 0.3090, 0.4205



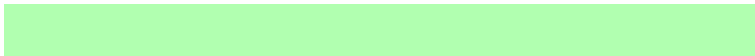
84.0017, 0.2229, 0.2452



84.0017, 0.4106, 0.3274

Complementary

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



84.0017, 0.3090, 0.4205



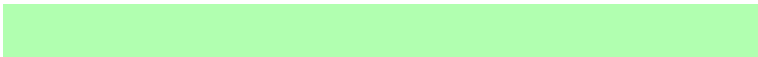
59.3454, 0.3156, 0.2515

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.



84.0017, 0.3659, 0.2866



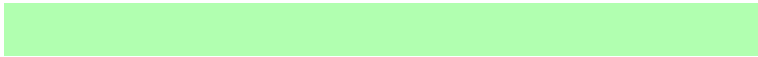
84.0017, 0.3090, 0.4205



84.0017, 0.2567, 0.2408

Square

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



84.0017, 0.3090, 0.4205



84.0017, 0.2112, 0.2713



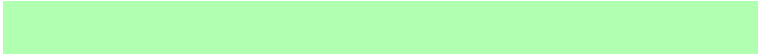
84.0017, 0.3082, 0.2559



84.0017, 0.4257, 0.3715

Rectangle

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



84.0017, 0.3090, 0.4205



84.0017, 0.2322, 0.3375



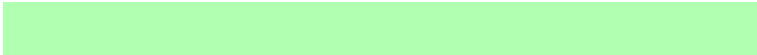
84.0017, 0.3082, 0.2559



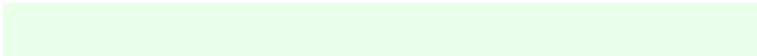
84.0017, 0.3984, 0.3131

Sweetspot

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



84.0018, 0.3090, 0.4205



94.5615, 0.3118, 0.3522



95.0777, 0.3600, 0.4055



20.0653, 0.3116, 0.3562



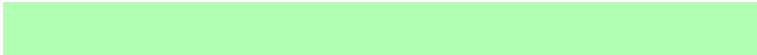
0.0000, 0.0000, 0.0000



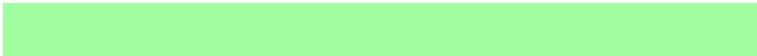
21.4041, 0.3127, 0.3290

Same Dimension

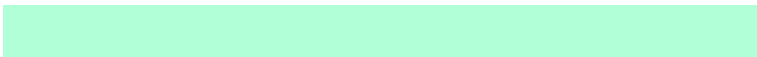
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0018, 0.3090, 0.4205



81.7450, 0.3081, 0.4416



85.6154, 0.2884, 0.3751



20.1790, 0.3118, 0.3536



37.3862, 0.3003, 0.5998



3.6438, 0.3009, 0.5993

Inverse Universe

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



59.3454, 0.3156, 0.2515



53.6235, 0.3161, 0.2369



57.3135, 0.3472, 0.2873



18.2881, 0.3136, 0.3056



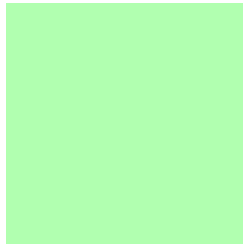
14.5720, 0.3178, 0.1524



1.4224, 0.3182, 0.1526

Previews

White Background



This preview shows how the Yxy color 84.0017, 0.3090, 0.4205 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 84.0017, 0.3090, 0.4205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

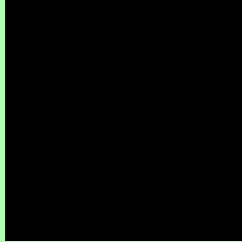
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0017, 0.3090, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 84.0017, 0.3090, 0.4205.

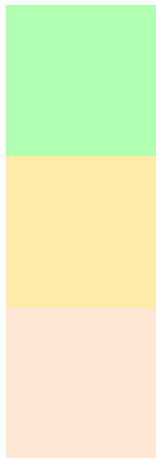


This preview shows how white text looks on a background with the Yxy color 84.0017, 0.3090, 0.4205.

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

84.0017, 0.3090, 0.4205

Protanopia

83.0893, 0.3697, 0.3979

Deuteranopia

83.2159, 0.3413, 0.3471



Tritanopia

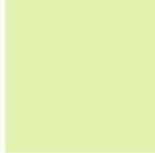
83.3960, 0.2835, 0.3143

Trichromacy



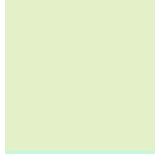
Original Color

84.0017, 0.3090, 0.4205



Protanomaly

82.4141, 0.3456, 0.4065



Deuteranomaly

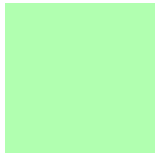
82.8212, 0.3288, 0.3716



Tritanomaly

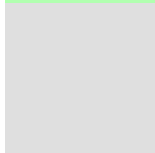
83.1383, 0.2931, 0.3509

Monochromacy



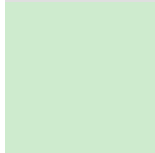
Original Color

84.0017, 0.3090, 0.4205



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9947, 0.3112, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0017, 0.3090, 0.4205 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(177, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 176)  
}
```

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(177, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 84.0017, 0.3090, 0.4205 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(177, 255, 176) }
```

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

```
.border{ border-color:rgb(177, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0017, 0.3090, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 176) }
```

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

```
.background{ background-color: rgb(177,  
255, 176) }
```

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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