

Converting Colors

$Yxy(84.6220, 0.3011, 0.4026)$

Have a look what the booklet for
Yxy(84.6220, 0.3011, 0.4026)
contains.

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Color

Yxy(84.6287, 0.3011, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFBF
RGB	177, 255, 191
RGB Percent	69%, 100%, 75%
CMY	0.3059, 0.0000, 0.2510
CMYK	0.31, 0.00, 0.25, 0.00
HSL	131°, 100%, 85%
HSV	131°, 31%, 100%
XYZ	63.2929, 84.6287, 62.2839
YIQ	224.3820, -25.9440, -36.4400

Conversions

Conversions Part 2

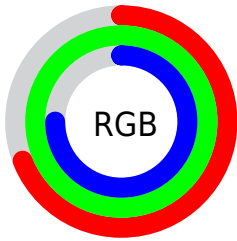
Format	Color
RYB	177, 243, 255
Decimal	11665343
CIELab	93.72, -36.32, 23.15
CIELCh	94, 43.071, 147.481
Yxy	84.6287, 0.3011, 0.4026
Android (android.graphics.Color)	4289855423 (0xFFB1FFBF)
YUV	224.3820, -16.4573, -41.5540
Hunter-Lab	91.9939, -38.1792, 24.2538

Details

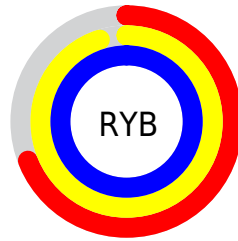
The Yxy color **84.6287, 0.3011, 0.4026** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.0516, 0.3271, 0.2652**, and the grayscale version is **74.9594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7897, 0.3038, 0.3359**, and **46.3319, 0.2977, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **81.0513, 0.2977, 0.4318**, and if you desaturate by 10%, it is **88.8944, 0.3048, 0.3757**.

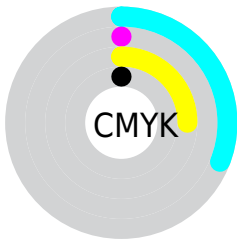
Distribution



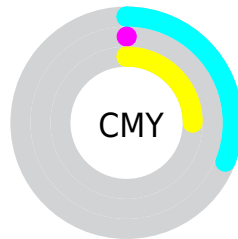
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6287, 0.3011, 0.4026 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 84.6287, 0.3011, 0.4026 by changing the saturation by 10% instead.

 84.6287, 0.3011,
0.4026

 84.6287, 0.3011,
0.4026


510.3986, 0.3072,
0.3678

 63.5346, 0.2995,
0.4107

 139.8543, 0.3034,
0.3904

 46.2739, 0.2975,
0.4208

174.7546, 0.3042,
0.3857

 32.4620, 0.2948,
0.4337


215.0258, 0.3049,
0.3817

 21.7146, 0.2911,
0.4507

261.0523, 0.3055,
0.3781

 13.6474, 0.2855,
0.4741

313.2184, 0.3060,
0.3751

 7.8758, 0.2767,
0.5081


371.9086, 0.3064,


 4.0156, 0.2611,


0.3724


0.5616


437.5072, 0.3068,
0.3700


 1.6823, 0.2450,
0.7395


 0.4121, 0.0000,
1.0000


 84.6287, 0.3011,
0.4026


 84.6287, 0.3011,
0.4026


 81.0513, 0.2977,
0.4318


 88.8944, 0.3048,
0.3757


 78.1296, 0.2949,
0.4626

 93.8865, 0.3087,
0.3515

 75.8218, 0.2929,
0.4937

 99.6355, 0.3125,
0.3302

 74.0834, 0.2920,
0.5235

 100.0000, 0.3127,
0.3290

■ 72.8632, 0.2924,
0.5499

■ 72.1010, 0.2939,
0.5712

■ 71.7154, 0.2960,
0.5856

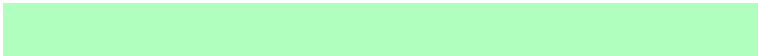
Harmonies

Analogous

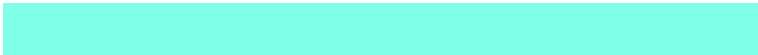
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6287, 0.3498, 0.4186



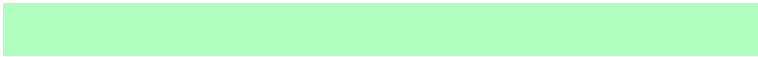
84.6287, 0.3011, 0.4026



84.6287, 0.2577, 0.3610

Triad

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



84.6287, 0.3011, 0.4026



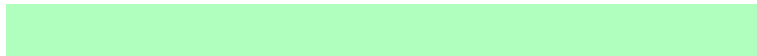
84.6287, 0.2376, 0.2530



84.6287, 0.4026, 0.3355

Complementary

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



84.6287, 0.3011, 0.4026



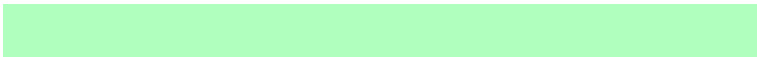
59.0516, 0.3271, 0.2652

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.



84.6287, 0.3678, 0.2980



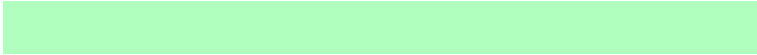
84.6287, 0.3011, 0.4026



84.6287, 0.2711, 0.2521

Square

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



84.6287, 0.3011, 0.4026



84.6287, 0.2233, 0.2731



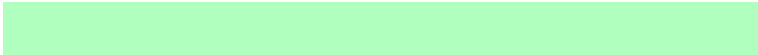
84.6287, 0.3185, 0.2684



84.6287, 0.4106, 0.3743

Rectangle

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



84.6287, 0.3011, 0.4026



84.6287, 0.2372, 0.3277



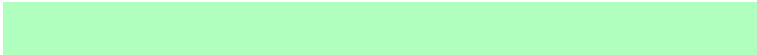
84.6287, 0.3185, 0.2684



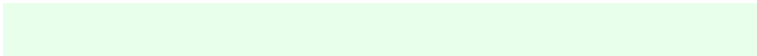
84.6287, 0.3936, 0.3225

Sweetspot

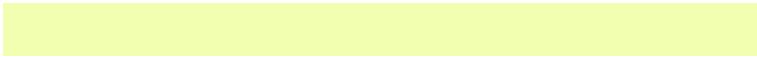
The Sweet Spot groups the original color and five complimentary colors.



84.6273, 0.3011, 0.4026



94.7501, 0.3093, 0.3480



93.5710, 0.3502, 0.4081



20.1113, 0.3087, 0.3512



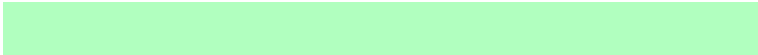
0.0000, 0.0000, 0.0000



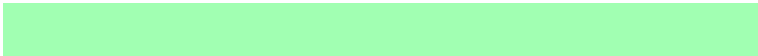
21.4041, 0.3127, 0.3290

Same Dimension

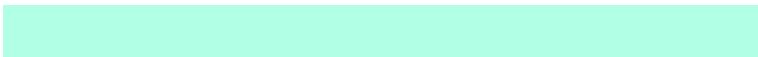
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6273, 0.3011, 0.4026



82.2584, 0.2989, 0.4211



86.5231, 0.2814, 0.3578



20.2214, 0.3091, 0.3491



37.4881, 0.2954, 0.5836



3.6639, 0.2903, 0.5650

Inverse Universe

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



59.0516, 0.3271, 0.2652



52.8045, 0.3309, 0.2519



57.0123, 0.3590, 0.3022



18.2411, 0.3166, 0.3097



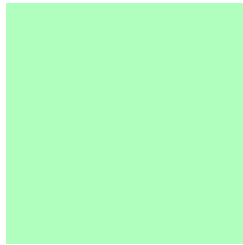
13.5405, 0.3724, 0.1825



1.3323, 0.3655, 0.1787

Previews

White Background



This preview shows how the Yxy color 84.6287, 0.3011, 0.4026 looks on a white background.

Color Contrast Check

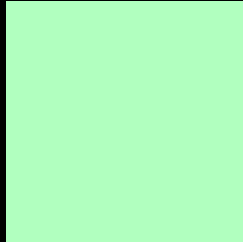
Large Text (above 18pt) WCAG AA × Fail

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 84.6287, 0.3011, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

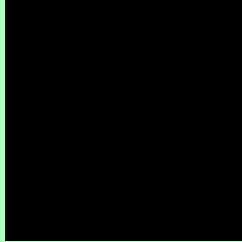
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6287, 0.3011, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 84.6287, 0.3011, 0.4026.

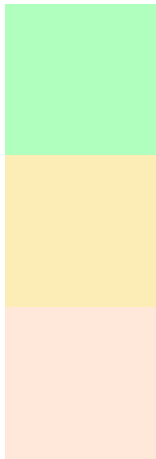


This preview shows how white text looks on a background with the Yxy color 84.6287, 0.3011, 0.4026.

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

84.6287, 0.3011, 0.4026

Protanopia

84.0638, 0.3589, 0.3839

Deuteranopia

84.0352, 0.3378, 0.3430



Tritanopia

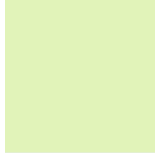
84.2796, 0.2847, 0.3154

Trichromacy



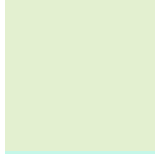
Original Color

84.6287, 0.3011, 0.4026



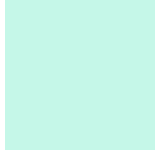
Protanomaly

83.6115, 0.3362, 0.3912



Deuteranomaly

83.2051, 0.3238, 0.3629



Tritanomaly

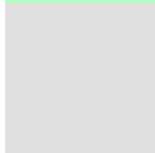
84.2180, 0.2905, 0.3452

Monochromacy



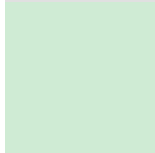
Original Color

84.6287, 0.3011, 0.4026



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 84.6287, 0.3011, 0.4026 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 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(177, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 84.6287, 0.3011, 0.4026 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, 191) }
```

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

```
.border{ border-color:rgb(177, 255, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6287, 0.3011, 0.4026 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, 191) }
```

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

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