

Converting Colors

Yxy(84.5784, 0.2996, 0.4008)

Have a look what the booklet for
Yxy(84.5784, 0.2996, 0.4008)
contains.

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Color

Yxy(84.6004, 0.2995, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFC1
RGB	176, 255, 193
RGB Percent	69%, 100%, 76%
CMY	0.3096, 0.0000, 0.2431
CMYK	0.31, 0.00, 0.24, 0.00
HSL	133°, 100%, 85%
HSV	133°, 31%, 100%
XYZ	63.2971, 84.6004, 63.4450
YIQ	224.3110, -27.1820, -36.0300

Conversions

Conversions Part 2

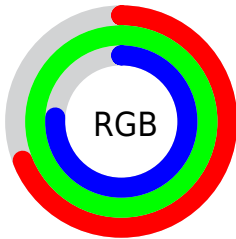
Format	Color
RYB	176, 241, 255
Decimal	11599809
CIELab	93.71, -36.26, 22.11
CIELCh	94, 42.465, 148.626
Yxy	84.6004, 0.2995, 0.4003
Android (android.graphics.Color)	4289789889 (0xFFB0FFC1)
YUV	224.3110, -15.4363, -42.3687
Hunter-Lab	91.9785, -38.1235, 23.4878

Details

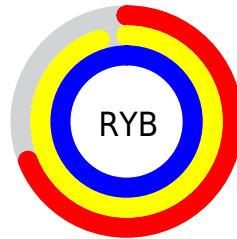
The Yxy color **84.6004, 0.2995, 0.4003** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.5025, 0.3296, 0.2670**, and the grayscale version is **74.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7458, 0.3021, 0.3339**, and **46.3172, 0.2958, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **81.0705, 0.2958, 0.4283**, and if you desaturate by 10%, it is **88.8167, 0.3036, 0.3745**.

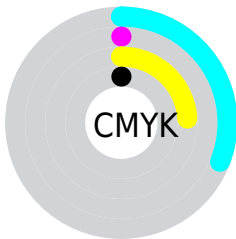
Distribution



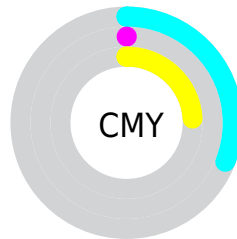
- Red (69%)
- Green (100%)
- Blue (76%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6004, 0.2995, 0.4003 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 84.6004, 0.2995, 0.4003 by changing the saturation by 10% instead.


 84.6004, 0.2995,
0.4003

 84.6004, 0.2995,
0.4003


510.3049, 0.3063,
0.3666

 63.5113, 0.2978,
0.4081


 139.8147, 0.3020,
0.3885

 46.2549, 0.2956,
0.4179


174.7087, 0.3029,
0.3839

 32.4470, 0.2927,
0.4304


214.9731, 0.3037,
0.3800

 21.7032, 0.2888,
0.4468


260.9923, 0.3043,
0.3766

 13.6390, 0.2830,
0.4695

313.1507, 0.3049,
0.3737

 7.8700, 0.2739,
0.5025

371.8326, 0.3054,

 4.0119, 0.2581,

0.3710

0.5545

437.4226, 0.3059,
0.3687

■ 1.6802, 0.2378,
0.7165

■ 0.4108, 0.0000,
1.0000

■ 84.6004, 0.2995,
0.4003

■ 84.6004, 0.2995,
0.4003

■ 81.0705, 0.2958,
0.4283

■ 88.8167, 0.3036,
0.3745

■ 78.1802, 0.2927,
0.4579

■ 93.7422, 0.3080,
0.3514

■ 75.8935, 0.2906,
0.4880

■ 99.4117, 0.3123,
0.3308

■ 74.1663, 0.2897,
0.5170

■ 99.9985, 0.3127,
0.3290

■ 72.9485, 0.2903,
0.5433

■ 72.1804, 0.2921,
0.5651

■ 71.7921, 0.2945,
0.5801

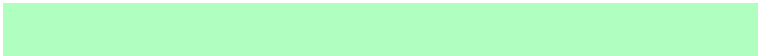
Harmonies

Analogous

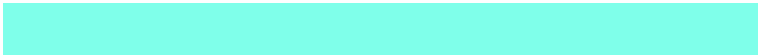
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6004, 0.3476, 0.4172



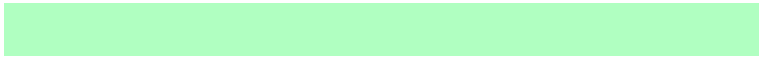
84.6004, 0.2995, 0.4003



84.6004, 0.2571, 0.3587

Triad

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



84.6004, 0.2995, 0.4003



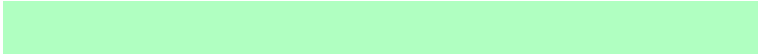
84.6004, 0.2395, 0.2536



84.6004, 0.4022, 0.3370

Complementary

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



84.6004, 0.2995, 0.4003



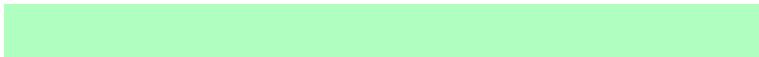
58.5025, 0.3296, 0.2670

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.



84.6004, 0.3687, 0.2997



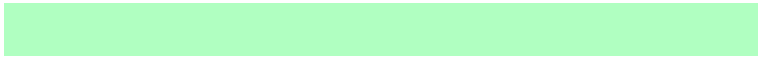
84.6004, 0.2995, 0.4003



84.6004, 0.2733, 0.2534

Square

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



84.6004, 0.2995, 0.4003



84.6004, 0.2246, 0.2728



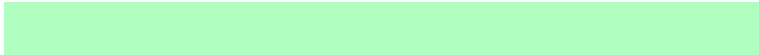
84.6004, 0.3203, 0.2700



84.6004, 0.4090, 0.3752

Rectangle

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



84.6004, 0.2995, 0.4003



84.6004, 0.2372, 0.3259



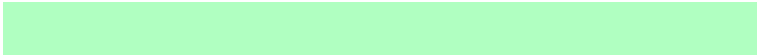
84.6004, 0.3203, 0.2700



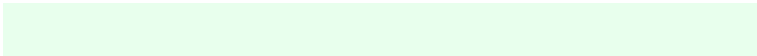
84.6004, 0.3936, 0.3241

Sweetspot

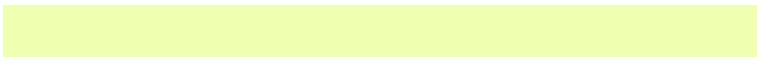
The Sweet Spot groups the original color and five complimentary colors.



84.6039, 0.2995, 0.4003



94.7974, 0.3088, 0.3471



93.0415, 0.3489, 0.4095



20.1228, 0.3082, 0.3503



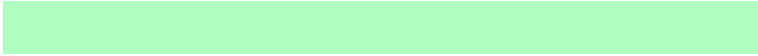
0.0000, 0.0000, 0.0000



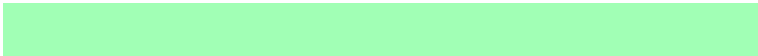
21.4041, 0.3127, 0.3290

Same Dimension

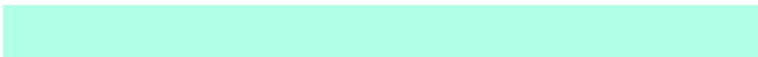
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6039, 0.2995, 0.4003



82.3935, 0.2972, 0.4170



86.5407, 0.2797, 0.3552



20.2320, 0.3086, 0.3482



37.5314, 0.2938, 0.5777



3.6695, 0.2883, 0.5578

Inverse Universe

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



58.5025, 0.3296, 0.2670



52.6104, 0.3337, 0.2549



56.4847, 0.3621, 0.3045



18.2296, 0.3171, 0.3105



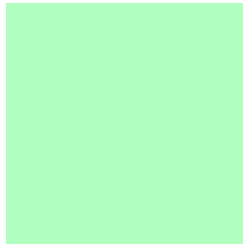
13.3164, 0.3842, 0.1890



1.3124, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 84.6004, 0.2995, 0.4003 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 84.6004, 0.2995, 0.4003 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 84.6004, 0.2995, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 84.6004, 0.2995, 0.4003.

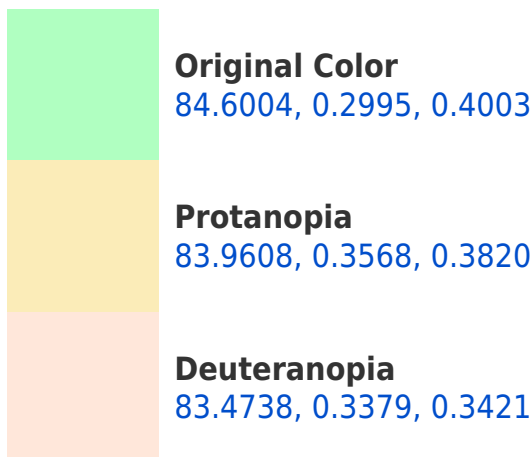


This preview shows how white text looks on a background with the Yxy color 84.6004, 0.2995, 0.4003.

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

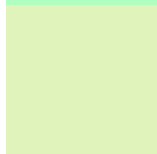
84.1342, 0.2842, 0.3153

Trichromacy



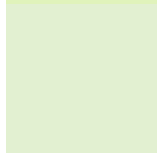
Original Color

84.6004, 0.2995, 0.4003



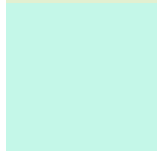
Protanomaly

83.5363, 0.3343, 0.3892



Deuteranomaly

83.0924, 0.3225, 0.3619



Tritanomaly

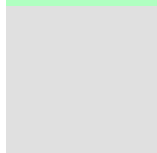
84.0835, 0.2899, 0.3453

Monochromacy



Original Color

84.6004, 0.2995, 0.4003



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4862, 0.3076, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6004, 0.2995, 0.4003 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(176, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 193)  
}
```

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(176, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 84.6004, 0.2995, 0.4003 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(176, 255, 193) }
```

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

```
.border{ border-color:rgb(176, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6004, 0.2995, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 193) }
```

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

```
.background{ background-color: rgb(176,  
255, 193) }
```

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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