

Converting Colors

Yxy(84.6729, 0.3094, 0.4151)

Have a look what the booklet for
Yxy(84.6729, 0.3094, 0.4151)
contains.

Yxy(84.6390, 0.3093, 0.4151) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(84.6390, 0.3093, 0.4151)

Conversions

Conversions Part 1	
Format	Color
Hex	B5FFB4
RGB	181, 255, 180
RGB Percent	71%, 100%, 71%
CMY	0.2899, 0.0000, 0.2941
CMYK	0.29, 0.00, 0.29, 0.00
HSL	119°, 100%, 85%
HSV	119°, 29%, 100%
XYZ	63.0664, 84.6390, 56.1949
YIQ	224.3240, -20.0290, -39.0130

Conversions

Conversions Part 2

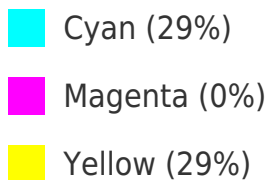
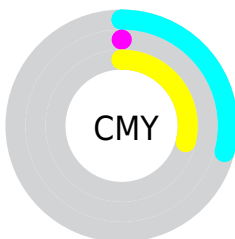
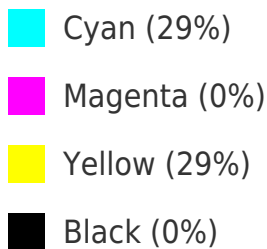
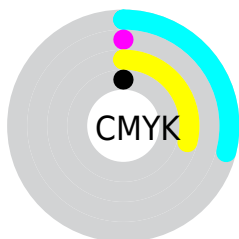
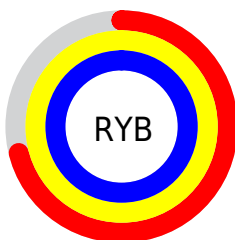
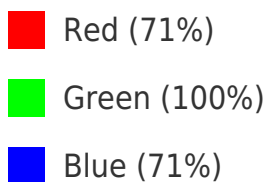
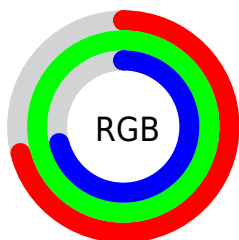
Format	Color
RYB	180, 255, 254
Decimal	11927476
CIELab	93.73, -36.86, 28.76
CIELCh	94, 46.751, 142.037
Yxy	84.6390, 0.3093, 0.4151
Android (android.graphics.Color)	4290117556 (0xFFB5FFB4)
YUV	224.3240, -21.8517, -37.9951
Hunter-Lab	91.9995, -38.6359, 28.1842

Details

The Yxy color **84.6390, 0.3093, 0.4151** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.9218, 0.3153, 0.2554**, and the grayscale version is **74.9671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7533, 0.3131, 0.3479**, and **46.3561, 0.3070, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **80.9260, 0.3078, 0.4502**, and if you desaturate by 10%, it is **89.0986, 0.3106, 0.3825**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6390, 0.3093, 0.4151 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 84.6390, 0.3093, 0.4151 by changing the saturation by 10% instead.


 84.6390, 0.3093,
0.4151

 84.6390, 0.3093,
0.4151


510.4328, 0.3120,
0.3743

 63.5431, 0.3084,
0.4246


 139.8687, 0.3105,
0.4008

 46.2807, 0.3072,
0.4364


174.7713, 0.3108,
0.3953

 32.4674, 0.3054,
0.4515


215.0450, 0.3111,
0.3905

 21.7188, 0.3026,
0.4714

261.0741, 0.3114,
0.3864

 13.6504, 0.2981,
0.4986

313.2430, 0.3116,
0.3828

 7.8779, 0.2902,
0.5379


371.9362, 0.3117,


 4.0169, 0.2749,


0.3796


0.5985


437.5380, 0.3119,
0.3768


 1.6830, 0.2445,
0.7555


 0.4126, 0.0000,
1.0000


 84.6390, 0.3093,
0.4151

 84.6390, 0.3093,
0.4151

 80.9260, 0.3078,
0.4502

 89.0986, 0.3106,
0.3825


 77.9090, 0.3062,
0.4864

 94.3310, 0.3118,
0.3533


 75.5476, 0.3046,
0.5214


99.9949, 0.3127,
0.3290

 73.7933, 0.3030,
0.5524

 72.5905, 0.3017,
0.5766

 71.8738, 0.3007,
0.5922

 71.5512, 0.3002,
0.5995

 71.5383, 0.3002,
0.5998

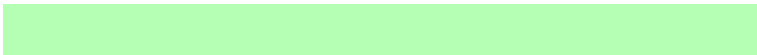
Harmonies

Analogous

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



84.6390, 0.3615, 0.4260



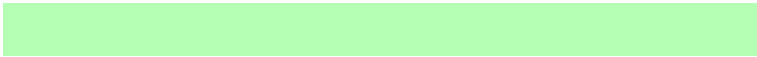
84.6390, 0.3093, 0.4151



84.6390, 0.2605, 0.3733

Triad

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



84.6390, 0.3093, 0.4151



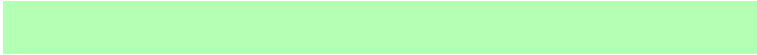
84.6390, 0.2273, 0.2493



84.6390, 0.4054, 0.3279

Complementary

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



84.6390, 0.3093, 0.4151



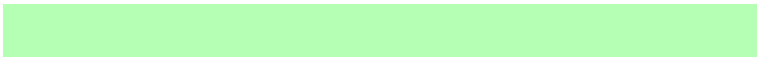
60.9218, 0.3153, 0.2554

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.



84.6390, 0.3633, 0.2888



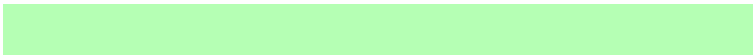
84.6390, 0.3093, 0.4151



84.6390, 0.2597, 0.2450

Square

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



84.6390, 0.3093, 0.4151



84.6390, 0.2160, 0.2744



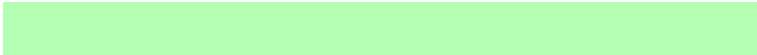
84.6390, 0.3088, 0.2594



84.6390, 0.4198, 0.3700

Rectangle

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



84.6390, 0.3093, 0.4151



84.6390, 0.2362, 0.3371



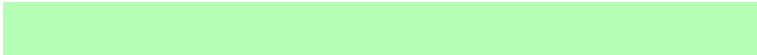
84.6390, 0.3088, 0.2594



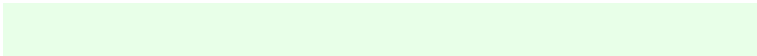
84.6390, 0.3939, 0.3142

Sweetspot

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



84.6426, 0.3093, 0.4151



94.5677, 0.3118, 0.3522



95.2742, 0.3576, 0.4016



20.0668, 0.3117, 0.3562



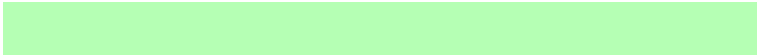
0.0000, 0.0000, 0.0000



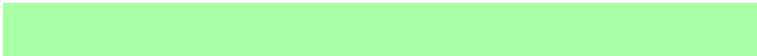
21.4041, 0.3127, 0.3290

Same Dimension

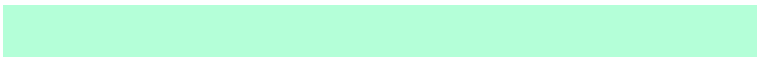
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6426, 0.3093, 0.4151



82.4812, 0.3085, 0.4345



86.1897, 0.2895, 0.3724



20.1804, 0.3118, 0.3536



37.3882, 0.3003, 0.5998



3.6445, 0.3010, 0.5992

Inverse Universe

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



60.9218, 0.3153, 0.2554



55.4224, 0.3158, 0.2417



59.0047, 0.3449, 0.2895



18.2865, 0.3136, 0.3056



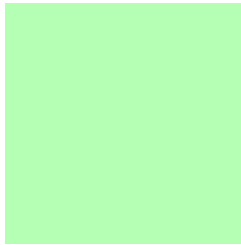
14.5325, 0.3174, 0.1522



1.4190, 0.3178, 0.1524

Previews

White Background



This preview shows how the Yxy color 84.6390, 0.3093, 0.4151 looks on a white background.

Color Contrast Check

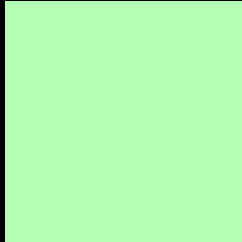
Large Text (above 18pt) WCAG AA × Fail

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 84.6390, 0.3093, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

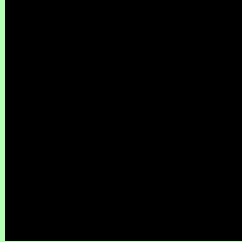
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6390, 0.3093, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 84.6390, 0.3093, 0.4151.

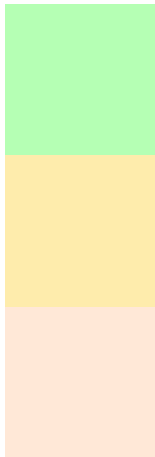


This preview shows how white text looks on a background with the Yxy color 84.6390, 0.3093, 0.4151.

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

84.6390, 0.3093, 0.4151

Protanopia

84.0403, 0.3669, 0.3937

Deuteranopia

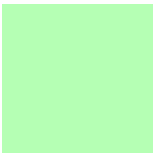
83.8795, 0.3398, 0.3461



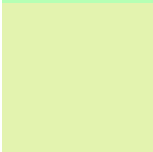
Tritanopia

84.4259, 0.2853, 0.3154

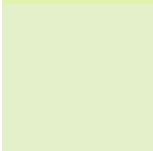
Trichromacy



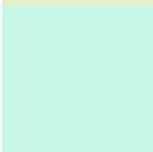
Original Color
84.6390, 0.3093, 0.4151



Protanomaly
83.5272, 0.3437, 0.4018

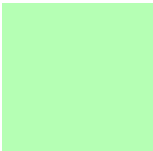


Deuteranomaly
83.0784, 0.3282, 0.3694

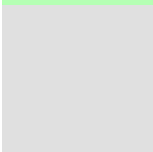


Tritanomaly
84.2651, 0.2938, 0.3496

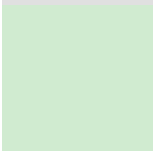
Monochromacy



Original Color
84.6390, 0.3093, 0.4151



Achromatopsia
74.5404, 0.3127, 0.3290



Achromatomaly
77.3806, 0.3113, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6390, 0.3093, 0.4151 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(181, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 180)  
}
```

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(181, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 84.6390, 0.3093, 0.4151 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(181, 255, 180) }
```

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

```
.border{ border-color:rgb(181, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6390, 0.3093, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 180) }
```

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

```
.background{ background-color: rgb(181,  
255, 180) }
```

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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