

Converting Colors

$Y_{xy}(154.3561, 0.3100, 0.4745)$

Have a look what the booklet for
Yxy(154.3561, 0.3100, 0.4745)
contains.

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Color

Yxy(86.6249, 0.3151, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFB9
RGB	195, 255, 185
RGB Percent	76%, 100%, 73%
CMY	0.2351, 0.0000, 0.2746
CMYK	0.24, 0.00, 0.27, 0.00
HSL	111°, 100%, 86%
HSV	111°, 27%, 100%
XYZ	67.0322, 86.6249, 59.0760
YIQ	229.0800, -13.2900, -34.4900

Conversions

Conversions Part 2

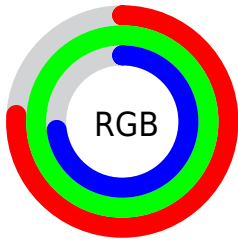
Format	Color
RYB	185, 255, 245
Decimal	12844985
CIELab	94.58, -31.57, 27.53
CIElCh	95, 41.891, 138.913
Yxy	86.6249, 0.3151, 0.4072
Android (android.graphics.Color)	4291035065 (0xFFC3FFB9)
YUV	229.0800, -21.7314, -29.8882
Hunter-Lab	93.0725, -34.3185, 27.5176

Details

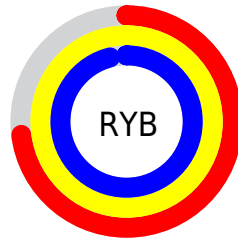
The Yxy color **86.6249, 0.3151, 0.4072** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3088, 0.3082, 0.2588**, and the grayscale version is **78.5960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7535, 0.3196, 0.3425**, and **47.6023, 0.3148, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **82.9470, 0.3153, 0.4408**, and if you desaturate by 10%, it is **90.9285, 0.3145, 0.3761**.

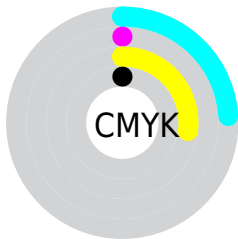
Distribution



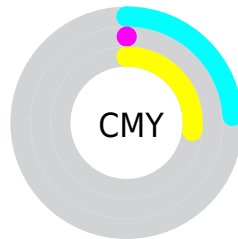
- Red (76%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6249, 0.3151, 0.4072 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 86.6249, 0.3151, 0.4072 by changing the saturation by 10% instead.


 86.6249, 0.3151,
0.4072

 86.6249, 0.3151,
0.4072


516.9895, 0.3150,
0.3705

 65.1848, 0.3149,
0.4157


 142.6412, 0.3152,
0.3944

 47.6110, 0.3145,
0.4262


177.9862, 0.3152,
0.3894

 33.5189, 0.3138,
0.4395


218.7350, 0.3152,
0.3852

 22.5243, 0.3126,
0.4569

265.2720, 0.3152,
0.3815

 14.2426, 0.3104,
0.4806

317.9815, 0.3151,
0.3782

 8.2896, 0.3059,
0.5146


377.2480, 0.3151,


 4.2808, 0.2962,


0.3753


0.5663

443.4559, 0.3150,
0.3728

 1.8319, 0.2941,
0.7059


 0.5069, 0.0000,
1.0000


 86.6249, 0.3151,
0.4072


 86.6249, 0.3151,
0.4072

 82.9470, 0.3153,
0.4408


 90.9285, 0.3145,
0.3761

 79.8549, 0.3150,
0.4755

 95.8735, 0.3135,
0.3479

 77.3215, 0.3140,
0.5097

99.9965, 0.3127,
0.3290

 75.3127, 0.3123,
0.5410

■ 73.7910, 0.3099,
0.5668

■ 72.7134, 0.3070,
0.5853

■ 72.0283, 0.3039,
0.5956

■ 71.9043, 0.3033,
0.5974

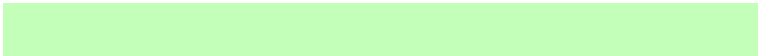
Harmonies

Analogous

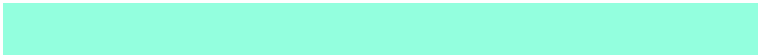
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6249, 0.3612, 0.4145



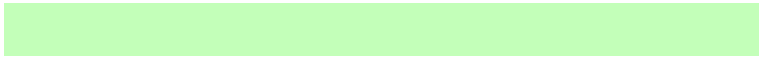
86.6249, 0.3151, 0.4072



86.6249, 0.2704, 0.3729

Triad

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



86.6249, 0.3151, 0.4072



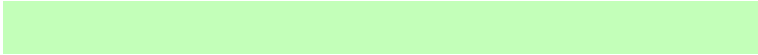
86.6249, 0.2340, 0.2591



86.6249, 0.3921, 0.3247

Complementary

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



86.6249, 0.3151, 0.4072



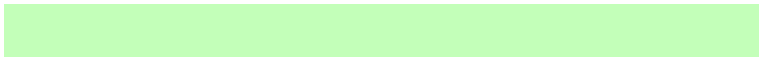
61.3088, 0.3082, 0.2588

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.



86.6249, 0.3530, 0.2898



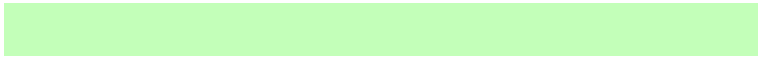
86.6249, 0.3151, 0.4072



86.6249, 0.2616, 0.2530

Square

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



86.6249, 0.3151, 0.4072



86.6249, 0.2259, 0.2841



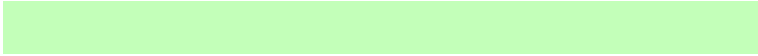
86.6249, 0.3045, 0.2643



86.6249, 0.4079, 0.3627

Rectangle

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



86.6249, 0.3151, 0.4072



86.6249, 0.2472, 0.3416



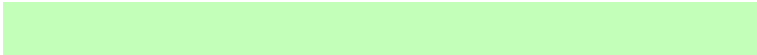
86.6249, 0.3045, 0.2643



86.6249, 0.3811, 0.3123

Sweetspot

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



86.6286, 0.3151, 0.4072



95.5919, 0.3136, 0.3494



89.7595, 0.3569, 0.3884



20.2935, 0.3137, 0.3534



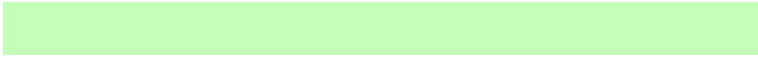
0.0000, 0.0000, 0.0000



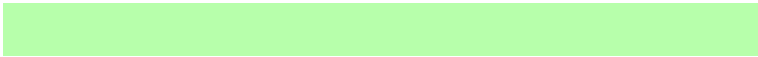
21.4041, 0.3127, 0.3290

Same Dimension

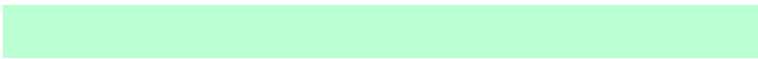
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6286, 0.3151, 0.4072



84.5169, 0.3153, 0.4256



86.4564, 0.2959, 0.3799



20.2935, 0.3137, 0.3534



37.6109, 0.3039, 0.5969



3.6979, 0.3098, 0.5922

Inverse Universe

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



61.3088, 0.3082, 0.2588



55.3243, 0.3069, 0.2443



61.6909, 0.3347, 0.2831



18.1601, 0.3115, 0.3054



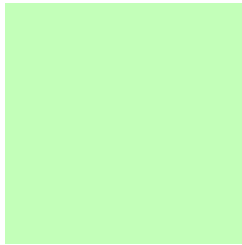
11.6361, 0.2847, 0.1342



1.1676, 0.2891, 0.1366

Previews

White Background



This preview shows how the Yxy color 86.6249, 0.3151, 0.4072 looks on a white background.

Color Contrast Check

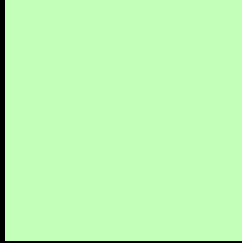
Large Text (above 18pt) WCAG AA × Fail

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 86.6249, 0.3151, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

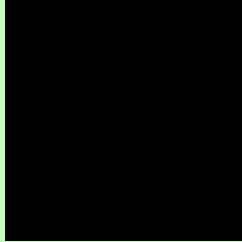
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

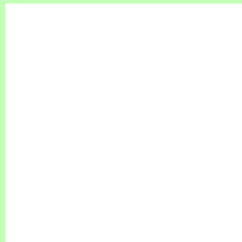
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6249, 0.3151, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 86.6249, 0.3151, 0.4072.

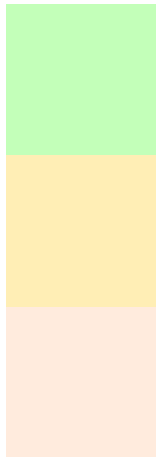


This preview shows how white text looks on a background with the Yxy color 86.6249, 0.3151, 0.4072.

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

86.6249, 0.3151, 0.4072

Protanopia

85.7453, 0.3612, 0.3863

Deuteranopia

85.8971, 0.3354, 0.3430



Tritanopia

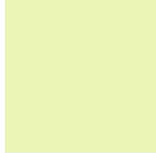
85.9399, 0.2913, 0.3156

Trichromacy



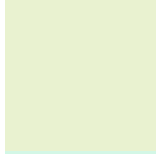
Original Color

86.6249, 0.3151, 0.4072



Protanomaly

85.4024, 0.3435, 0.3942



Deuteranomaly

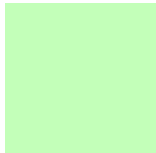
85.3820, 0.3276, 0.3645



Tritanomaly

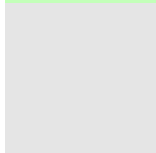
86.0836, 0.3000, 0.3470

Monochromacy



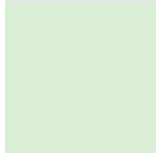
Original Color

86.6249, 0.3151, 0.4072



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7049, 0.3141, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6249, 0.3151, 0.4072 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(195, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 185)  
}
```

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(195, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 86.6249, 0.3151, 0.4072 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(195, 255, 185) }
```

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

```
.border{ border-color:rgb(195, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 255, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 255, 185); box-shadow:4px 4px 4px 4px rgb(195, 255, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6249, 0.3151, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 185) }
```

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

```
.background{ background-color: rgb(195,  
255, 185) }
```

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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