

Converting Colors

$Yxy(81.3215, 0.3243, 0.4550)$

Have a look what the booklet for
Yxy(81.3215, 0.3243, 0.4550)
contains.

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Color

Yxy(81.5250, 0.3246, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	B0FD91
RGB	176, 253, 145
RGB Percent	69%, 99%, 57%
CMY	0.3097, 0.0079, 0.4313
CMYK	0.30, 0.00, 0.43, 0.01
HSL	103°, 96%, 78%
HSV	103°, 43%, 99%
XYZ	58.1477, 81.5250, 39.4638
YIQ	217.6650, -11.2240, -49.9120

Conversions

Conversions Part 2

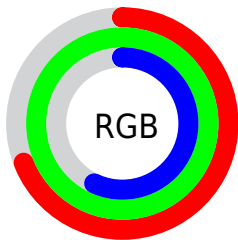
Format	Color
RYB	145, 253, 222
Decimal	11599249
CIELab	92.36, -42.63, 44.24
CIELCh	92, 61.438, 133.940
Yxy	81.5250, 0.3246, 0.4551
Android (android.graphics.Color)	4289789329 (0xFFB0FD91)
YUV	217.6650, -35.8238, -36.5402
Hunter-Lab	90.2912, -43.0553, 37.2898

Details

The Yxy color **81.5250, 0.3246, 0.4551** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.8722, 0.2913, 0.2154**, and the grayscale version is **70.1333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1826, 0.3315, 0.3855**, and **44.2456, 0.3241, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **78.8681, 0.3255, 0.4881**, and if you desaturate by 10%, it is **84.6418, 0.3227, 0.4223**.

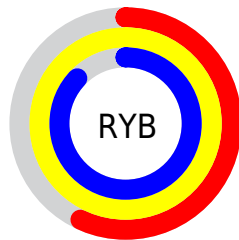
Distribution



Red (69%)

Green (99%)

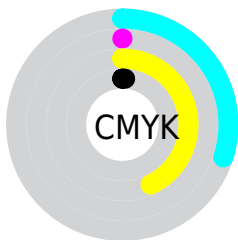
Blue (57%)



Red (57%)

Yellow (99%)

Blue (87%)

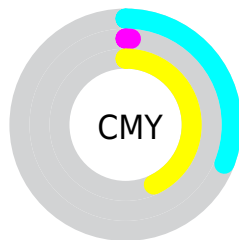


Cyan (30%)

Magenta (0%)

Yellow (43%)

Black (1%)



Cyan (31%)


Magenta (1%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5250, 0.3246, 0.4551 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 81.5250, 0.3246, 0.4551 by changing the saturation by 10% instead.


 81.5250, 0.3246,
0.4551


 81.5250, 0.3246,
0.4551


500.0574, 0.3217,
0.3947

 60.9741, 0.3245,
0.4692


 135.5077, 0.3242,
0.4338

 44.2042, 0.3240,
0.4867

 169.7082, 0.3239,
0.4257

 30.8311, 0.3226,
0.5088


209.2275, 0.3235,
0.4186

 20.4703, 0.3197,
0.5376

254.4498, 0.3231,
0.4125

 12.7374, 0.3136,
0.5760

305.7595, 0.3228,
0.4072

 7.2479, 0.3009,
0.6289


363.5411, 0.3224,


 3.6176, 0.2798,


0.4025


0.7202


428.1790, 0.3221,
0.3984


 1.4621, 0.1512,
0.8488


 0.2618, 0.0000,
1.0000


 81.5250, 0.3246,
0.4551


 81.5250, 0.3246,
0.4551


 78.8681, 0.3255,
0.4881


 84.6418, 0.3227,
0.4223


 76.6382, 0.3251,
0.5194

 88.2291, 0.3200,
0.3910

 74.8138, 0.3233,
0.5469

 92.3097, 0.3170,
0.3619

 73.3675, 0.3200,
0.5688

 96.9022, 0.3136,
0.3356

■ 72.2674, 0.3155,
0.5837

98.7291, 0.3128,
0.3271

■ 71.6534, 0.3119,
0.5905

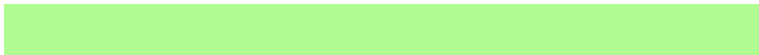
Harmonies

Analogous

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



81.5250, 0.3911, 0.4532



81.5250, 0.3246, 0.4551



81.5250, 0.2585, 0.4079

Triad

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



81.5250, 0.3246, 0.4551



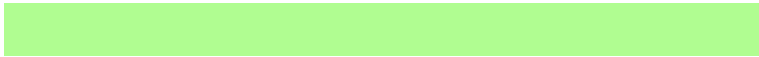
81.5250, 0.1963, 0.2308



81.5250, 0.4242, 0.3112

Complementary

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



81.5250, 0.3246, 0.4551



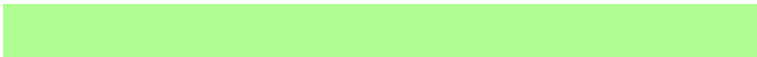
42.8722, 0.2913, 0.2154

Split Complementary

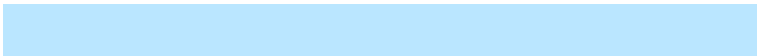
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5250, 0.3601, 0.2651



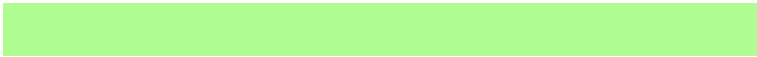
81.5250, 0.3246, 0.4551



81.5250, 0.2297, 0.2201

Square

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



81.5250, 0.3246, 0.4551



81.5250, 0.1894, 0.2686



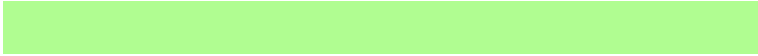
81.5250, 0.2876, 0.2328



81.5250, 0.4538, 0.3640

Rectangle

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



81.5250, 0.3246, 0.4551



81.5250, 0.2236, 0.3587



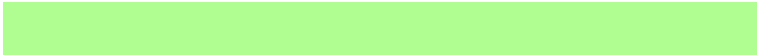
81.5250, 0.2876, 0.2328



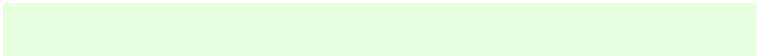
81.5250, 0.4056, 0.2948

Sweetspot

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



81.5285, 0.3246, 0.4551



93.8372, 0.3171, 0.3628



74.4303, 0.3896, 0.4063



19.8800, 0.3178, 0.3690



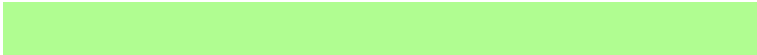
0.0000, 0.0000, 0.0000



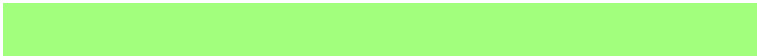
21.4041, 0.3127, 0.3290

Same Dimension

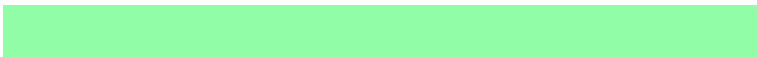
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5285, 0.3246, 0.4551



80.7137, 0.3254, 0.4826



79.0458, 0.2960, 0.4353



20.4208, 0.3159, 0.3533



38.1815, 0.3129, 0.5898



3.7703, 0.3210, 0.5833

Inverse Universe

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



42.8722, 0.2913, 0.2154



36.7239, 0.2855, 0.1935



46.9296, 0.3364, 0.2424



18.0228, 0.3092, 0.3052



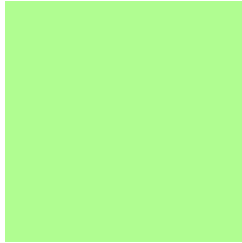
9.0322, 0.2491, 0.1146



0.9351, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 81.5250, 0.3246, 0.4551 looks on a white background.

Color Contrast Check

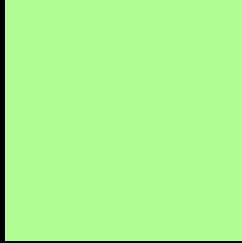
Large Text (above 18pt) WCAG AA × Fail

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 81.5250, 0.3246, 0.4551 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

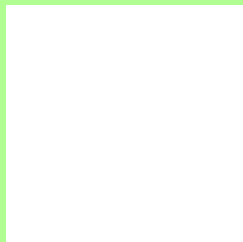
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5250, 0.3246, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 81.5250, 0.3246, 0.4551.

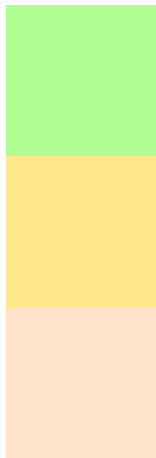


This preview shows how white text looks on a background with the Yxy color 81.5250, 0.3246, 0.4551.

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

81.5250, 0.3246, 0.4551

Protanopia

80.5902, 0.3905, 0.4238

Deuteranopia

80.3683, 0.3509, 0.3564



Tritanopia

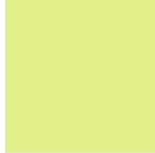
81.3705, 0.2799, 0.3120

Trichromacy



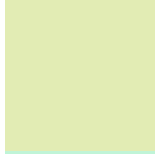
Original Color

81.5250, 0.3246, 0.4551



Protanomaly

80.3824, 0.3647, 0.4359



Deuteranomaly

79.4549, 0.3413, 0.3897



Tritanomaly

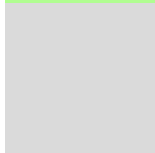
80.8141, 0.2968, 0.3615

Monochromacy



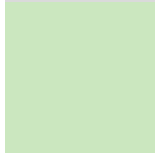
Original Color

81.5250, 0.3246, 0.4551



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.6099, 0.3188, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5250, 0.3246, 0.4551 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, 253, 145)` looks like.

```
.text, #text, p{  
    color:rgb(176, 253, 145)  
}
```

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, 253, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 253, 145) }
```

Border

The CSS property to change the border of an element to Yxy 81.5250, 0.3246, 0.4551 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, 253, 145) }
```

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

```
.border{ border-color:rgb(176, 253, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 253, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 253, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 253, 145);  
box-shadow:4px 4px 4px 4px rgb(176, 253,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5250, 0.3246, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 253, 145) }
```

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

```
.background{ background-color: rgb(176,  
253, 145) }
```

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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