

Converting Colors

$Yxy(80.8596, 0.3094, 0.4265)$

Have a look what the booklet for
Yxy(80.8596, 0.3094, 0.4265)
contains.

Yxy(81.1433, 0.3093, 0.4270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.1433, 0.3093, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	ABFCA9
RGB	171, 252, 169
RGB Percent	67%, 99%, 66%
CMY	0.3292, 0.0118, 0.3372
CMYK	0.32, 0.00, 0.33, 0.01
HSL	119°, 93%, 83%
HSV	119°, 33%, 99%
XYZ	58.7766, 81.1433, 50.1112
YIQ	218.3190, -21.6330, -42.9850

Conversions

Conversions Part 2

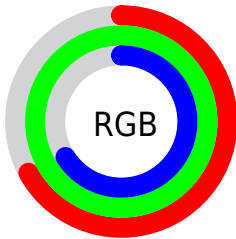
Format	Color
RYB	169, 252, 250
Decimal	11271337
CIELab	92.20, -40.38, 32.13
CIElCh	92, 51.600, 141.489
Yxy	81.1433, 0.3093, 0.4270
Android (android.graphics.Color)	4289461417 (0xFFABFCA9)
YUV	218.3190, -24.3143, -41.4988
Hunter-Lab	90.0796, -41.1686, 30.0727

Details

The Yxy color **81.1433, 0.3093, 0.4270** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.7303, 0.3149, 0.2466**, and the grayscale version is **70.5356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4502, 0.3131, 0.3597**, and **44.0042, 0.3069, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **77.7798, 0.3079, 0.4626**, and if you desaturate by 10%, it is **85.2095, 0.3106, 0.3935**.

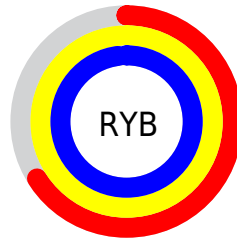
Distribution



Red (67%)

Green (99%)

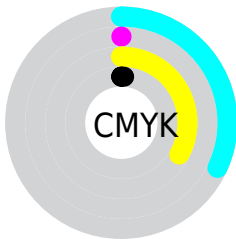
Blue (66%)



Red (66%)

Yellow (99%)

Blue (98%)

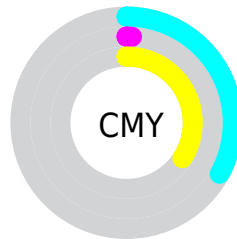


Cyan (32%)

Magenta (0%)

Yellow (33%)

Black (1%)



Cyan (33%)


Magenta (1%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1433, 0.3093, 0.4270 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 81.1433, 0.3093, 0.4270 by changing the saturation by 10% instead.


 81.1433, 0.3093,
0.4270

 81.1433, 0.3093,
0.4270


498.7775, 0.3123,
0.3800

 60.6596, 0.3082,
0.4381


 134.9720, 0.3107,
0.4104

 43.9505, 0.3067,
0.4519


169.0857, 0.3111,
0.4040

 30.6316, 0.3044,
0.4696


208.5117, 0.3114,
0.3986

 20.3185, 0.3008,
0.4931

253.6342, 0.3117,
0.3939

 12.6268, 0.2949,
0.5254

304.8376, 0.3119,
0.3897

 7.1721, 0.2843,
0.5720


362.5064, 0.3121,


 3.5699, 0.2673,


0.3861


0.6541

427.0249, 0.3122,
0.3829


 1.4360, 0.1717,
0.8283


 0.2430, 0.0000,
1.0000


 81.1433, 0.3093,
0.4270

 81.1433, 0.3093,
0.4270


 77.7798, 0.3079,
0.4626


 85.2095, 0.3106,
0.3935

 75.0696, 0.3063,
0.4985

 90.0040, 0.3116,
0.3631

 72.9733, 0.3047,
0.5323

 95.5638, 0.3125,
0.3362

 71.4430, 0.3031,
0.5613

 98.0972, 0.3128,
0.3261

■ 70.4236, 0.3018,
0.5827

■ 69.8491, 0.3007,
0.5954

■ 69.6570, 0.3004,
0.5997

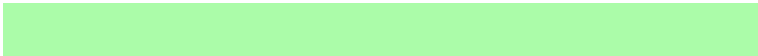
Harmonies

Analogous

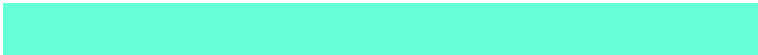
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1433, 0.3673, 0.4376



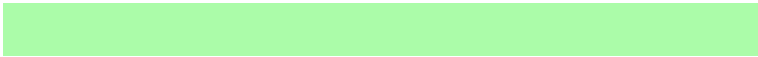
81.1433, 0.3093, 0.4270



81.1433, 0.2551, 0.3800

Triad

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



81.1433, 0.3093, 0.4270



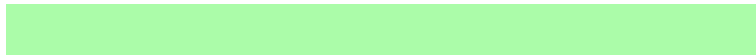
81.1433, 0.2178, 0.2407



81.1433, 0.4160, 0.3262

Complementary

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



81.1433, 0.3093, 0.4270



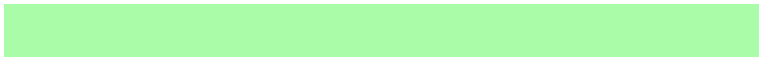
55.7303, 0.3149, 0.2466

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.



81.1433, 0.3681, 0.2836



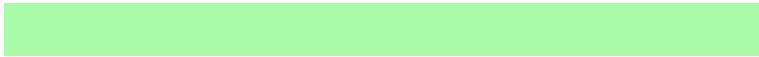
81.1433, 0.3093, 0.4270



81.1433, 0.2528, 0.2361

Square

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



81.1433, 0.3093, 0.4270



81.1433, 0.2059, 0.2683



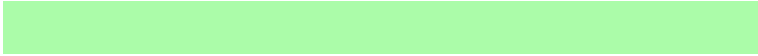
81.1433, 0.3069, 0.2517



81.1433, 0.4324, 0.3725

Rectangle

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



81.1433, 0.3093, 0.4270



81.1433, 0.2281, 0.3387



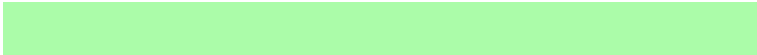
81.1433, 0.3069, 0.2517



81.1433, 0.4029, 0.3112

Sweetspot

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



81.1467, 0.3093, 0.4270



94.0486, 0.3119, 0.3549



91.4527, 0.3633, 0.4090



19.9651, 0.3118, 0.3588



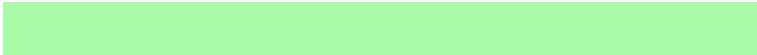
0.0000, 0.0000, 0.0000



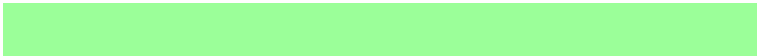
21.4041, 0.3127, 0.3290

Same Dimension

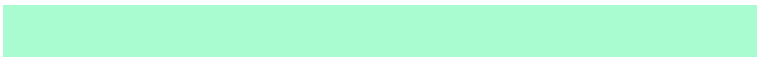
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1467, 0.3093, 0.4270



80.8376, 0.3083, 0.4521



82.5964, 0.2878, 0.3801



19.3294, 0.3119, 0.3535



36.2960, 0.3005, 0.5996



3.3685, 0.3018, 0.5986

Inverse Universe

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



55.7303, 0.3149, 0.2466



50.7923, 0.3153, 0.2295



53.8974, 0.3488, 0.2832



17.5016, 0.3134, 0.3056



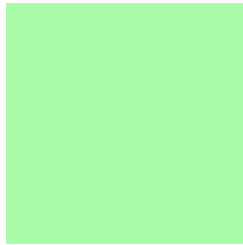
13.8618, 0.3148, 0.1508



1.2905, 0.3156, 0.1512

Previews

White Background



This preview shows how the Yxy color 81.1433, 0.3093, 0.4270 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 81.1433, 0.3093, 0.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

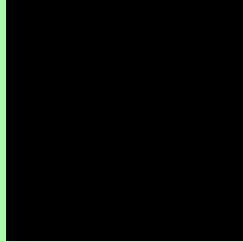
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1433, 0.3093, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 81.1433, 0.3093, 0.4270.

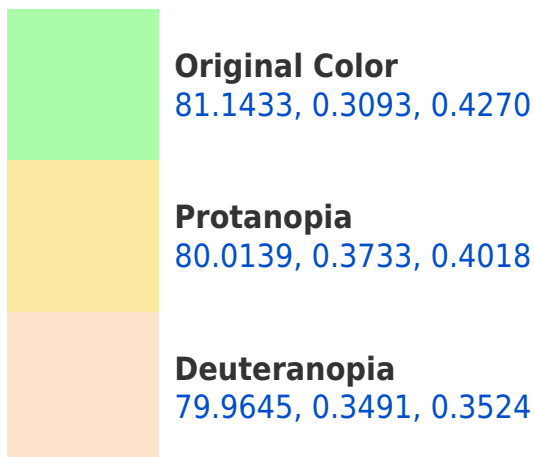


This preview shows how white text looks on a background with the Yxy color 81.1433, 0.3093, 0.4270.

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

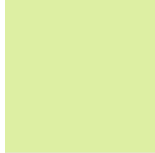
80.8233, 0.2776, 0.3118

Trichromacy



Original Color

81.1433, 0.3093, 0.4270



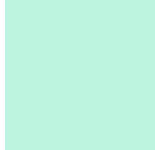
Protanomaly

79.7495, 0.3477, 0.4121



Deuteranomaly

79.0255, 0.3330, 0.3768



Tritanomaly

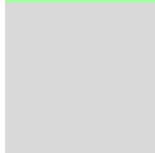
80.7746, 0.2894, 0.3513

Monochromacy



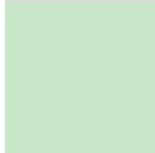
Original Color

81.1433, 0.3093, 0.4270



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.1813, 0.3118, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1433, 0.3093, 0.4270 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(171, 252, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 252, 169)  
}
```

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(171, 252, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 252, 169) }
```

Border

The CSS property to change the border of an element to Yxy 81.1433, 0.3093, 0.4270 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(171, 252, 169) }
```

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

```
.border{ border-color:rgb(171, 252, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 252, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 252, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 252, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 252,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1433, 0.3093, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 252, 169) }
```

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

```
.background{ background-color: rgb(171,  
252, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor