

Converting Colors

$Yxy(83.3026, 0.2943, 0.4286)$

Have a look what the booklet for
Yxy(83.3026, 0.2943, 0.4286)
contains.

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Color

Yxy(81.0992, 0.2945, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	96FFAF
RGB	150, 255, 175
RGB Percent	59%, 100%, 69%
CMY	0.4116, 0.0000, 0.3138
CMYK	0.41, 0.00, 0.31, 0.00
HSL	134°, 100%, 79%
HSV	134°, 41%, 100%
XYZ	56.0782, 81.0992, 53.2410
YIQ	214.4850, -36.9000, -47.1400

Conversions

Conversions Part 2

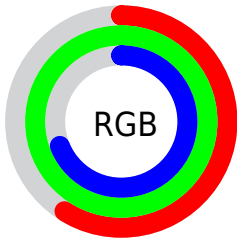
Format	Color
RYB	150, 235, 255
Decimal	9895855
CIELab	92.18, -46.91, 28.95
CIELCh	92, 55.125, 148.326
Yxy	81.0992, 0.2945, 0.4259
Android (android.graphics.Color)	4288085935 (0xFF96FFAF)
YUV	214.4850, -19.4661, -56.5533
Hunter-Lab	90.0551, -46.4427, 27.9860

Details

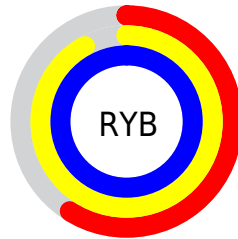
The Yxy color **81.0992, 0.2945, 0.4259** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.8014, 0.3389, 0.2489**, and the grayscale version is **67.7468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6994, 0.2977, 0.3543**, and **44.1205, 0.2886, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **78.2297, 0.2913, 0.4547**, and if you desaturate by 10%, it is **84.6100, 0.2985, 0.3987**.

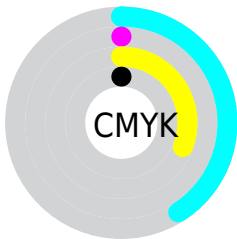
Distribution



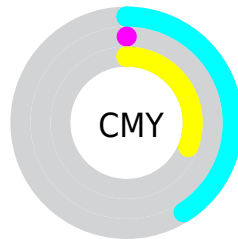
- Red (59%)
- Green (100%)
- Blue (69%)



- Red (59%)
- Yellow (92%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0992, 0.2945, 0.4259 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 81.0992, 0.2945, 0.4259 by changing the saturation by 10% instead.


 81.0992, 0.2945,
0.4259


 81.0992, 0.2945,
0.4259


498.6295, 0.3042,
0.3792

 60.6233, 0.2919,
0.4370


 134.9101, 0.2981,
0.4093

 43.9212, 0.2886,
0.4509


 169.0138, 0.2995,
0.4030

 30.6086, 0.2841,
0.4687


208.4289, 0.3006,
0.3976

 20.3010, 0.2778,
0.4925

253.5399, 0.3015,
0.3929

 12.6140, 0.2684,
0.5256

304.7310, 0.3024,
0.3888

 7.1633, 0.2531,
0.5741


362.3867, 0.3031,


 3.5644, 0.2271,


0.3852

0.6538


426.8914, 0.3037,
0.3820


 1.4330, 0.0866,
0.9134


 0.2409, 0.0000,
1.0000

 81.0992, 0.2945,
0.4259


 81.0992, 0.2945,
0.4259


 78.2297, 0.2913,
0.4547


 84.6100, 0.2985,
0.3987

 75.9549, 0.2891,
0.4841

 88.7905, 0.3029,
0.3736

 74.2337, 0.2882,
0.5126

 93.6761, 0.3075,
0.3511

 73.0162, 0.2888,
0.5386

 99.2978, 0.3122,
0.3312

■ 72.2434, 0.2908,
0.5607

100.0000, 0.3127,
0.3290

■ 71.8524, 0.2933,
0.5760

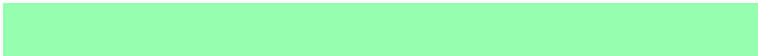
Harmonies

Analogous

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



81.0992, 0.3568, 0.4464



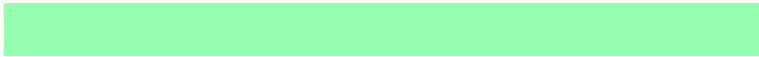
81.0992, 0.2945, 0.4259



81.0992, 0.2403, 0.3686

Triad

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



81.0992, 0.2945, 0.4259



81.0992, 0.2184, 0.2321



81.0992, 0.4305, 0.3366

Complementary

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



81.0992, 0.2945, 0.4259



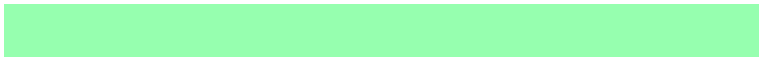
48.8014, 0.3389, 0.2489

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.



81.0992, 0.3856, 0.2902



81.0992, 0.2945, 0.4259



81.0992, 0.2605, 0.2326

Square

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



81.0992, 0.2945, 0.4259



81.0992, 0.2001, 0.2552



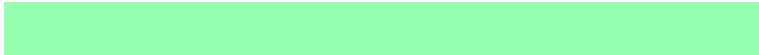
81.0992, 0.3212, 0.2534



81.0992, 0.4388, 0.3853

Rectangle

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



81.0992, 0.2945, 0.4259



81.0992, 0.2155, 0.3240



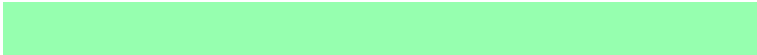
81.0992, 0.3212, 0.2534



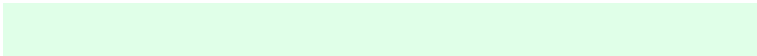
81.0992, 0.4191, 0.3205

Sweetspot

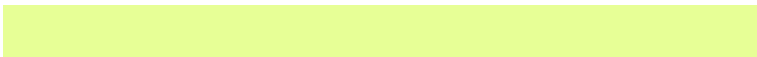
The Sweet Spot groups the original color and five complimentary colors.



81.1017, 0.2945, 0.4259



93.2387, 0.3071, 0.3529



90.6305, 0.3575, 0.4375



19.8132, 0.3065, 0.3557



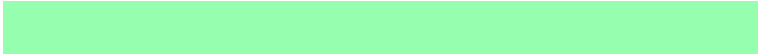
0.0000, 0.0000, 0.0000



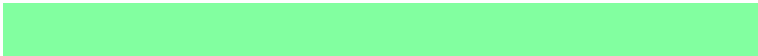
21.4041, 0.3127, 0.3290

Same Dimension

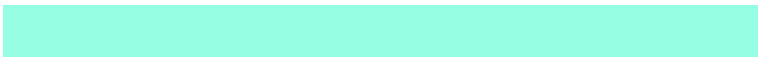
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1017, 0.2945, 0.4259



78.7986, 0.2919, 0.4484



83.5542, 0.2690, 0.3612



20.2389, 0.3083, 0.3476



37.5636, 0.2926, 0.5735



3.6736, 0.2869, 0.5527

Inverse Universe

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



48.8014, 0.3389, 0.2489



42.6920, 0.3455, 0.2346



46.3001, 0.3899, 0.2999



18.2222, 0.3175, 0.3111



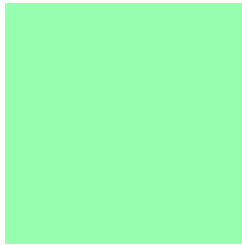
13.1783, 0.3921, 0.1934



1.3001, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 81.0992, 0.2945, 0.4259 looks on a white background.

Color Contrast Check

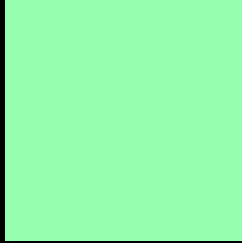
Large Text (above 18pt) WCAG AA × Fail

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 81.0992, 0.2945, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

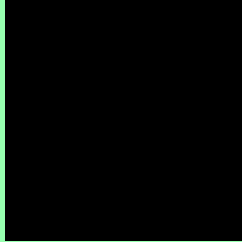
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

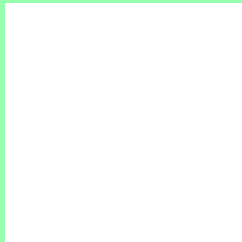
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0992, 0.2945, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 81.0992, 0.2945, 0.4259.

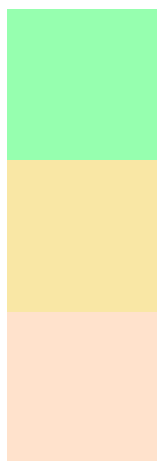


This preview shows how white text looks on a background with the Yxy color 81.0992, 0.2945, 0.4259.

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

81.0992, 0.2945, 0.4259

Protanopia

80.0082, 0.3693, 0.3969

Deuteranopia

80.0123, 0.3484, 0.3513



Tritanopia

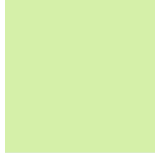
80.3590, 0.2732, 0.3127

Trichromacy



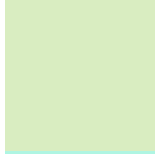
Original Color

81.0992, 0.2945, 0.4259



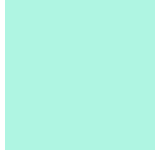
Protanomaly

79.3309, 0.3382, 0.4079



Deuteranomaly

79.1703, 0.3266, 0.3773



Tritanomaly

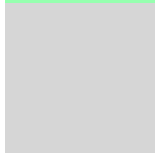
79.9098, 0.2810, 0.3505

Monochromacy



Original Color

81.0992, 0.2945, 0.4259



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2851, 0.3051, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0992, 0.2945, 0.4259 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(150, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 175)  
}
```

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(150, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 81.0992, 0.2945, 0.4259 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(150, 255, 175) }
```

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

```
.border{ border-color:rgb(150, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0992, 0.2945, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 175) }
```

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

```
.background{ background-color: rgb(150,  
255, 175) }
```

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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