

Converting Colors

Yxy(81.4657, 0.2956, 0.4238)

Have a look what the booklet for
Yxy(81.4657, 0.2956, 0.4238)
contains.

Yxy(81.4269, 0.2955, 0.4242)	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(81.4269, 0.2955, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	99FFB0
RGB	153, 255, 176
RGB Percent	60%, 100%, 69%
CMY	0.4003, 0.0000, 0.3098
CMYK	0.40, 0.00, 0.31, 0.00
HSL	134°, 100%, 80%
HSV	134°, 40%, 100%
XYZ	56.7224, 81.4269, 53.8047
YIQ	215.4960, -35.4330, -46.1930

Conversions

Conversions Part 2

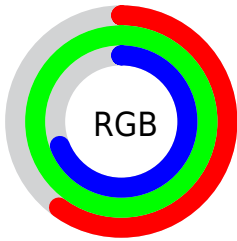
Format	Color
RYB	153, 236, 255
Decimal	10092464
CIELab	92.32, -45.94, 28.64
CIElCh	92, 54.138, 148.058
Yxy	81.4269, 0.2955, 0.4242
Android (android.graphics.Color)	4288282544 (0xFF99FFB0)
YUV	215.4960, -19.4715, -54.8090
Hunter-Lab	90.2369, -45.7103, 27.8135

Details

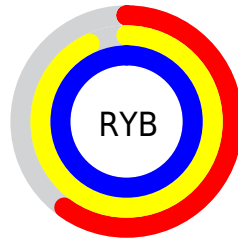
The Yxy color **81.4269, 0.2955, 0.4242** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.8376, 0.3369, 0.2500**, and the grayscale version is **68.4445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1951, 0.2989, 0.3531**, and **44.3050, 0.2898, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **78.4740, 0.2923, 0.4533**, and if you desaturate by 10%, it is **85.0085, 0.2994, 0.3968**.

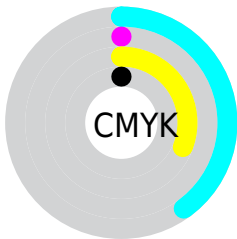
Distribution



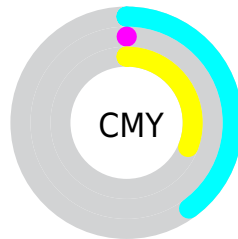
- Red (60%)
- Green (100%)
- Blue (69%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4269, 0.2955, 0.4242 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 81.4269, 0.2955, 0.4242 by changing the saturation by 10% instead.


 81.4269, 0.2955,
0.4242


 81.4269, 0.2955,
0.4242

499.7287, 0.3047,
0.3784

 60.8933, 0.2931,
0.4351


 135.3700, 0.2990,
0.4080

 44.1390, 0.2899,
0.4486


 169.5483, 0.3002,
0.4018

 30.7798, 0.2857,
0.4661


209.0436, 0.3013,
0.3965

 20.4312, 0.2796,
0.4894

254.2402, 0.3022,
0.3919

 12.7089, 0.2706,
0.5216

305.5227, 0.3030,
0.3878

 7.2284, 0.2560,
0.5689


363.2753, 0.3036,


 3.6054, 0.2309,


0.3843


0.6458

427.8825, 0.3042,
0.3812

 1.4553, 0.1073,
0.8927


 0.2570, 0.0000,
1.0000


 81.4269, 0.2955,
0.4242


 81.4269, 0.2955,
0.4242


 78.4740, 0.2923,
0.4533

 85.0085, 0.2994,
0.3968

 76.1332, 0.2900,
0.4830

 89.2768, 0.3037,
0.3716

 74.3537, 0.2890,
0.5119

 94.2573, 0.3082,
0.3490

 73.0863, 0.2894,
0.5385

99.9809, 0.3127,
0.3291

■ 72.2728, 0.2912,
0.5609

100.0000, 0.3127,
0.3290

■ 71.8222, 0.2939,
0.5781

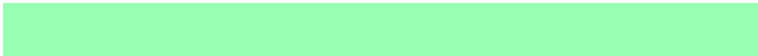
Harmonies

Analogous

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



81.4269, 0.3567, 0.4440



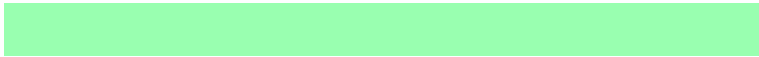
81.4269, 0.2955, 0.4242



81.4269, 0.2420, 0.3685

Triad

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



81.4269, 0.2955, 0.4242



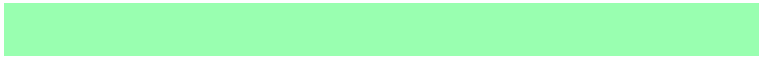
81.4269, 0.2197, 0.2339



81.4269, 0.4280, 0.3362

Complementary

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



81.4269, 0.2955, 0.4242



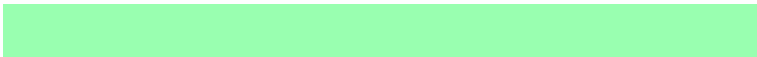
49.8376, 0.3369, 0.2500

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.



81.4269, 0.3837, 0.2905



81.4269, 0.2955, 0.4242



81.4269, 0.2610, 0.2341

Square

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



81.4269, 0.2955, 0.4242



81.4269, 0.2020, 0.2569



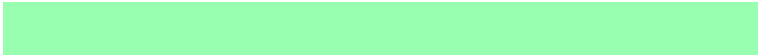
81.4269, 0.3205, 0.2544



81.4269, 0.4365, 0.3842

Rectangle

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



81.4269, 0.2955, 0.4242



81.4269, 0.2174, 0.3248



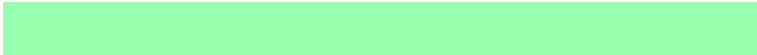
81.4269, 0.3205, 0.2544



81.4269, 0.4167, 0.3203

Sweetspot

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



81.4195, 0.2955, 0.4242



93.2190, 0.3073, 0.3533



91.1212, 0.3576, 0.4341



19.8086, 0.3067, 0.3561



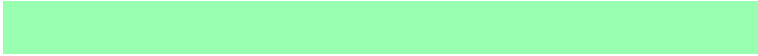
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4195, 0.2955, 0.4242



79.0221, 0.2929, 0.4473



83.7798, 0.2708, 0.3622



20.2354, 0.3084, 0.3479



37.5470, 0.2932, 0.5757



3.6715, 0.2876, 0.5553

Inverse Universe

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



49.8376, 0.3369, 0.2500



43.4893, 0.3433, 0.2352



47.3873, 0.3851, 0.2989



18.2259, 0.3173, 0.3108



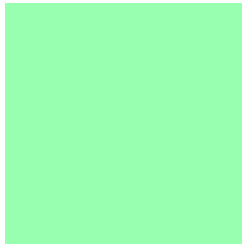
13.2467, 0.3881, 0.1912



1.3062, 0.3788, 0.1861

Previews

White Background



This preview shows how the Yxy color 81.4269, 0.2955, 0.4242 looks on a white background.

Color Contrast Check

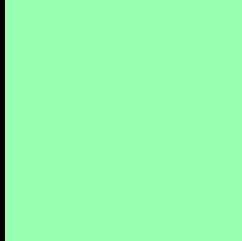
Large Text (above 18pt) WCAG AA × Fail

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 81.4269, 0.2955, 0.4242 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

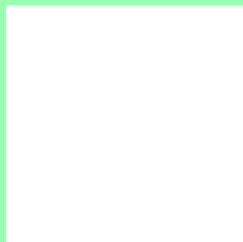
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4269, 0.2955, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 81.4269, 0.2955, 0.4242.

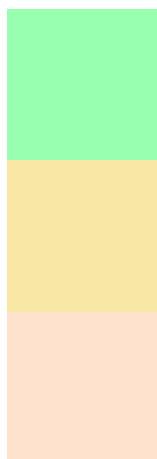


This preview shows how white text looks on a background with the Yxy color 81.4269, 0.2955, 0.4242.

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

81.4269, 0.2955, 0.4242

Protanopia

80.0447, 0.3686, 0.3959

Deuteranopia

80.0605, 0.3477, 0.3503



Tritanopia

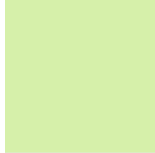
81.2070, 0.2744, 0.3139

Trichromacy



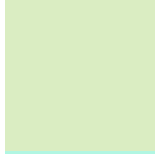
Original Color

81.4269, 0.2955, 0.4242



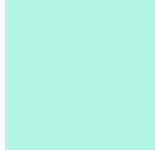
Protanomaly

79.5186, 0.3382, 0.4066



Deuteranomaly

79.3688, 0.3267, 0.3761



Tritanomaly

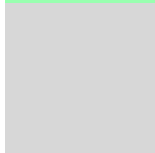
80.7496, 0.2822, 0.3516

Monochromacy



Original Color

81.4269, 0.2955, 0.4242



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0171, 0.3051, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4269, 0.2955, 0.4242 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(153, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 176)  
}
```

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(153, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 81.4269, 0.2955, 0.4242 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(153, 255, 176) }
```

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

```
.border{ border-color:rgb(153, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4269, 0.2955, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 176) }
```

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

```
.background{ background-color: rgb(153,  
255, 176) }
```

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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