

Converting Colors

$Y_{xy}(81.2715, 0.2975, 0.4292)$

Have a look what the booklet for
Yxy(81.2715, 0.2975, 0.4292)
contains.

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Color

Yxy(81.2709, 0.2975, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	99FFAC
RGB	153, 255, 172
RGB Percent	60%, 100%, 67%
CMY	0.4003, 0.0000, 0.3255
CMYK	0.40, 0.00, 0.33, 0.00
HSL	131°, 100%, 80%
HSV	131°, 40%, 100%
XYZ	56.3329, 81.2709, 51.7506
YIQ	215.0400, -34.1490, -47.4370

Conversions

Conversions Part 2

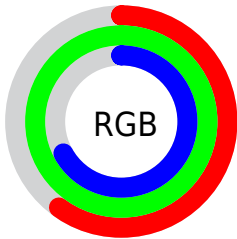
Format	Color
RYB	153, 239, 255
Decimal	10092460
CIELab	92.25, -46.61, 30.56
CIElCh	92, 55.734, 146.747
Yxy	81.2709, 0.2975, 0.4292
Android (android.graphics.Color)	4288282540 (0xFF99FFAC)
YUV	215.0400, -21.2187, -54.4091
Hunter-Lab	90.1504, -46.2225, 29.0700

Details

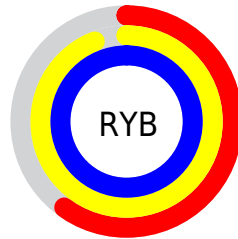
The Yxy color **81.2709, 0.2975, 0.4292** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.0689, 0.3334, 0.2464**, and the grayscale version is **68.1311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9703, 0.3011, 0.3574**, and **44.2069, 0.2921, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **78.3080, 0.2946, 0.4597**, and if you desaturate by 10%, it is **84.8740, 0.3010, 0.4003**.

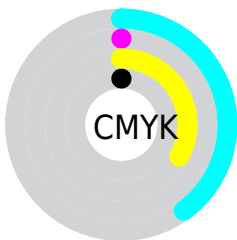
Distribution



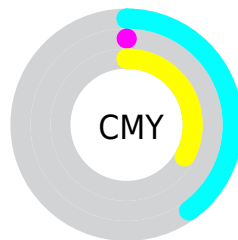
- Red (60%)
- Green (100%)
- Blue (67%)



- Red (60%)
- Yellow (94%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2709, 0.2975, 0.4292 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 81.2709, 0.2975, 0.4292 by changing the saturation by 10% instead.


 81.2709, 0.2975,
0.4292


 81.2709, 0.2975,
0.4292


499.2056, 0.3060,
0.3809

 60.7647, 0.2952,
0.4406


 135.1511, 0.3007,
0.4121

 44.0353, 0.2922,
0.4550

 169.2939, 0.3019,
0.4055

 30.6983, 0.2880,
0.4734


208.7510, 0.3029,
0.3999

 20.3692, 0.2821,
0.4979

253.9069, 0.3037,
0.3951

 12.6637, 0.2731,
0.5319

305.1459, 0.3044,
0.3909

 7.1974, 0.2582,
0.5815

362.8524, 0.3050,


 3.5858, 0.2334,


0.3871

0.6653

427.4109, 0.3055,
0.3838


 1.4447, 0.0949,
0.9051

 0.2493, 0.0000,
1.0000


 81.2709, 0.2975,
0.4292


 81.2709, 0.2975,
0.4292

 78.3080, 0.2946,
0.4597

 84.8740, 0.3010,
0.4003

 75.9667, 0.2925,
0.4906

 89.1749, 0.3048,
0.3738

 74.1956, 0.2916,
0.5203

 94.2003, 0.3088,
0.3501

 72.9444, 0.2919,
0.5469

99.9817, 0.3127,
0.3291

■ 72.1537, 0.2934,
0.5687

100.0000, 0.3127,
0.3290

■ 71.7307, 0.2957,
0.5845

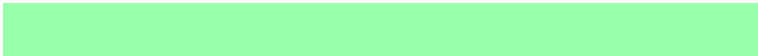
Harmonies

Analogous

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



81.2709, 0.3604, 0.4475



81.2709, 0.2975, 0.4292



81.2709, 0.2420, 0.3726

Triad

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



81.2709, 0.2975, 0.4292



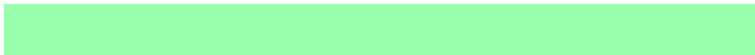
81.2709, 0.2159, 0.2318



81.2709, 0.4302, 0.3340

Complementary

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



81.2709, 0.2975, 0.4292



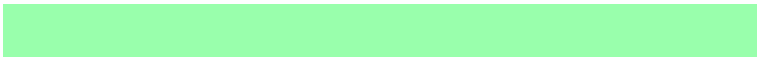
50.0689, 0.3334, 0.2464

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.



81.2709, 0.3832, 0.2875



81.2709, 0.2975, 0.4292



81.2709, 0.2571, 0.2312

Square

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



81.2709, 0.2975, 0.4292



81.2709, 0.1988, 0.2564



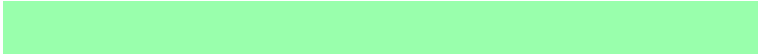
81.2709, 0.3177, 0.2512



81.2709, 0.4406, 0.3832

Rectangle

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



81.2709, 0.2975, 0.4292



81.2709, 0.2161, 0.3273



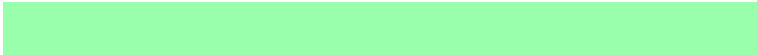
81.2709, 0.3177, 0.2512



81.2709, 0.4180, 0.3178

Sweetspot

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



81.2638, 0.2975, 0.4292



93.1513, 0.3080, 0.3545



91.6993, 0.3599, 0.4332



19.7928, 0.3075, 0.3576



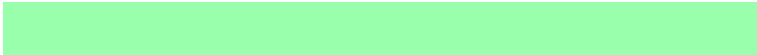
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

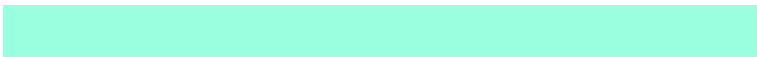
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2638, 0.2975, 0.4292



78.8569, 0.2951, 0.4534



83.5952, 0.2724, 0.3663



20.2236, 0.3090, 0.3489



37.4966, 0.2951, 0.5824



3.6650, 0.2899, 0.5635

Inverse Universe

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



50.0689, 0.3334, 0.2464



43.7585, 0.3387, 0.2310



47.5310, 0.3816, 0.2954



18.2387, 0.3167, 0.3099



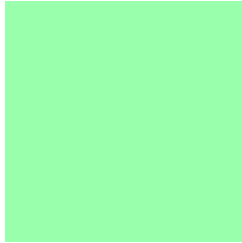
13.4920, 0.3748, 0.1839



1.3280, 0.3676, 0.1798

Previews

White Background



This preview shows how the Yxy color 81.2709, 0.2975, 0.4292 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 81.2709, 0.2975, 0.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

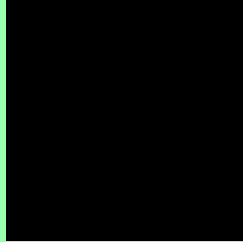
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

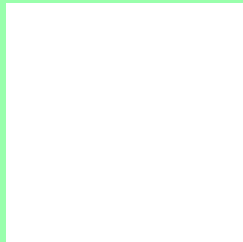
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2709, 0.2975, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 81.2709, 0.2975, 0.4292.

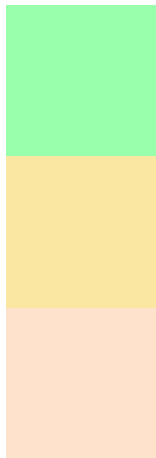


This preview shows how white text looks on a background with the Yxy color 81.2709, 0.2975, 0.4292.

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

81.2709, 0.2975, 0.4292

Protanopia

80.0845, 0.3720, 0.3998

Deuteranopia

80.0123, 0.3484, 0.3513



Tritanopia

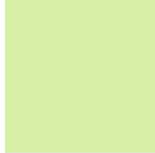
80.4873, 0.2737, 0.3127

Trichromacy



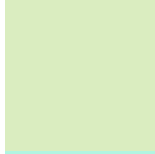
Original Color

81.2709, 0.2975, 0.4292



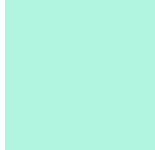
Protanomaly

79.5204, 0.3414, 0.4109



Deuteranomaly

79.2796, 0.3279, 0.3783



Tritanomaly

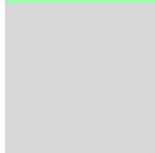
80.0882, 0.2826, 0.3516

Monochromacy



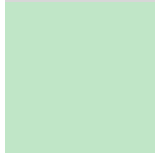
Original Color

81.2709, 0.2975, 0.4292



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9236, 0.3063, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2709, 0.2975, 0.4292 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 81.2709, 0.2975, 0.4292 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, 172) }
```

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

```
.border{ border-color:rgb(153, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2709, 0.2975, 0.4292 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, 172) }
```

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

```
.background{ background-color: rgb(153,  
255, 172) }
```

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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