

Converting Colors

Yxy(83.2035, 0.3092, 0.4756)

Have a look what the booklet for
Yxy(83.2035, 0.3092, 0.4756)
contains.

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Color

Yxy(79.4951, 0.3097, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	92FF8B
RGB	146, 255, 139
RGB Percent	57%, 100%, 55%
CMY	0.4275, 0.0000, 0.4549
CMYK	0.43, 0.00, 0.45, 0.00
HSL	116°, 100%, 77%
HSV	116°, 45%, 100%
XYZ	52.2710, 79.4951, 37.0133
YIQ	209.1850, -27.7280, -59.1840

Conversions

Conversions Part 2

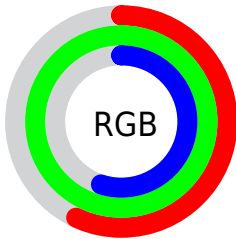
Format	Color
RYB	139, 255, 248
Decimal	9633675
CIELab	91.46, -53.53, 45.69
CIElCh	91, 70.380, 139.519
Yxy	79.4951, 0.3097, 0.4710
Android (android.graphics.Color)	4287823755 (0xFF92FF8B)
YUV	209.1850, -34.6012, -55.4132
Hunter-Lab	89.1600, -51.3826, 37.7987

Details

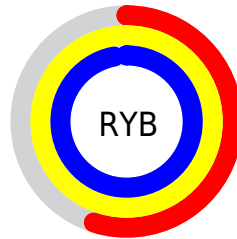
The Yxy color **79.4951, 0.3097, 0.4710** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.6449, 0.3119, 0.2157**, and the grayscale version is **64.1262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3942, 0.3163, 0.3956**, and **42.6306, 0.3049, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **76.8620, 0.3083, 0.5063**, and if you desaturate by 10%, it is **82.7582, 0.3108, 0.4355**.

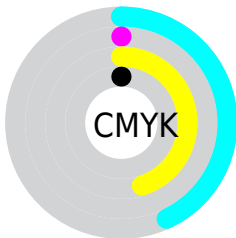
Distribution



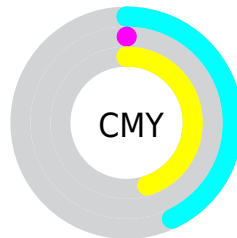
- Red (57%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (97%)



- Cyan (43%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4951, 0.3097, 0.4710 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 79.4951, 0.3097, 0.4710 by changing the saturation by 10% instead.

 79.4951, 0.3097,
0.4710

 79.4951, 0.3097,
0.4710

493.2297, 0.3143,
0.4018

 59.3030, 0.3078,
0.4874


 132.6556, 0.3120,
0.4464

 42.8571, 0.3049,
0.5079


 166.3928, 0.3127,
0.4370

 29.7730, 0.3005,
0.5340


 205.4138, 0.3132,
0.4290

 19.6663, 0.2933,
0.5682

250.1030, 0.3135,
0.4221

 12.1527, 0.2812,
0.6142

300.8448, 0.3138,
0.4160

 6.8478, 0.2603,
0.6804


358.0236, 0.3140,


 3.3671, 0.2211,


0.4107

0.7789


422.0237, 0.3142,
0.4060

 1.3262, 0.0000,
1.0000

 0.1614, 0.0000,
1.0000


 79.4951, 0.3097,
0.4710


 79.4951, 0.3097,
0.4710


 76.8620, 0.3083,
0.5063

 82.7582, 0.3108,
0.4355


 74.8238, 0.3066,
0.5390

 86.6950, 0.3117,
0.4016

 73.3324, 0.3048,
0.5662

 91.3381, 0.3122,
0.3705

 72.3346, 0.3030,
0.5858

 96.7198, 0.3126,
0.3428

■ 71.7669, 0.3014,
0.5966

100.0000, 0.3127,
0.3290

■ 71.6245, 0.3009,
0.5993

Harmonies

Analogous

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



79.4951, 0.3869, 0.4760



79.4951, 0.3097, 0.4710



79.4951, 0.2375, 0.4060

Triad

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



79.4951, 0.3097, 0.4710



79.4951, 0.1861, 0.2130



79.4951, 0.4516, 0.3180

Complementary

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



79.4951, 0.3097, 0.4710



45.6449, 0.3119, 0.2157

Split Complementary

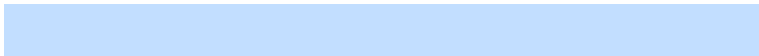
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4951, 0.3825, 0.2650



79.4951, 0.3097, 0.4710



79.4951, 0.2283, 0.2070

Square

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



79.4951, 0.3097, 0.4710



79.4951, 0.1728, 0.2483



79.4951, 0.2979, 0.2258



79.4951, 0.4753, 0.3771

Rectangle

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



79.4951, 0.3097, 0.4710



79.4951, 0.2020, 0.3459



79.4951, 0.2979, 0.2258



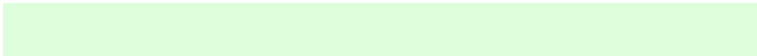
79.4951, 0.4325, 0.2993

Sweetspot

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



79.4930, 0.3097, 0.4710



92.0929, 0.3123, 0.3662



89.8087, 0.3835, 0.4346



19.4790, 0.3122, 0.3725



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.



79.4930, 0.3097, 0.4710



76.9770, 0.3084, 0.5046



80.6945, 0.2820, 0.4091



20.2203, 0.3125, 0.3535



37.4454, 0.3012, 0.5990



3.6634, 0.3042, 0.5967

Inverse Universe

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



45.6449, 0.3119, 0.2157



39.1190, 0.3112, 0.1953



44.1196, 0.3649, 0.2619



18.2414, 0.3128, 0.3055



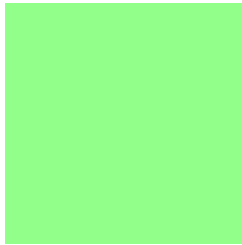
13.4450, 0.3058, 0.1459



1.3253, 0.3077, 0.1469

Previews

White Background



This preview shows how the Yxy color 79.4951, 0.3097, 0.4710 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 79.4951, 0.3097, 0.4710 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 79.4951, 0.3097, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 79.4951, 0.3097, 0.4710.

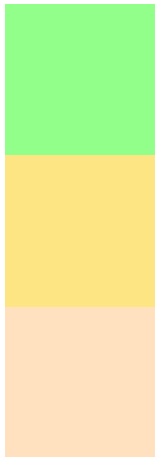


This preview shows how white text looks on a background with the Yxy color 79.4951, 0.3097, 0.4710.

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

79.4951, 0.3097, 0.4710

Protanopia

78.3458, 0.3946, 0.4282

Deuteranopia

78.3329, 0.3579, 0.3627



Tritanopia

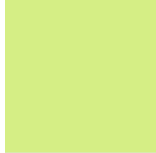
79.0203, 0.2698, 0.3114

Trichromacy



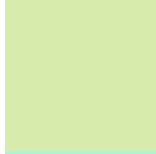
Original Color

79.4951, 0.3097, 0.4710



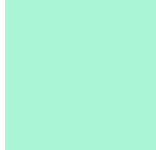
Protanomaly

76.9887, 0.3598, 0.4450



Deuteranomaly

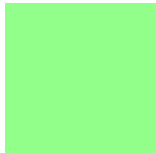
76.8423, 0.3387, 0.3993



Tritanomaly

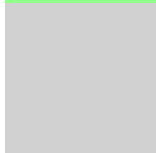
78.6550, 0.2851, 0.3662

Monochromacy



Original Color

79.4951, 0.3097, 0.4710



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2925, 0.3117, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4951, 0.3097, 0.4710 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(146, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 139)  
}
```

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(146, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 139) }
```

Border

The CSS property to change the border of an element to Yxy 79.4951, 0.3097, 0.4710 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(146, 255, 139) }
```

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

```
.border{ border-color:rgb(146, 255, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4951, 0.3097, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 139) }
```

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

```
.background{ background-color: rgb(146,  
255, 139) }
```

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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