

Converting Colors

$Yxy(79.6394, 0.3099, 0.4695)$

Have a look what the booklet for
Yxy(79.6394, 0.3099, 0.4695)
contains.

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Color

Yxy(79.6165, 0.3098, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	93FF8C
RGB	147, 255, 140
RGB Percent	58%, 100%, 55%
CMY	0.4236, 0.0000, 0.4511
CMYK	0.42, 0.00, 0.45, 0.00
HSL	116°, 100%, 77%
HSV	116°, 45%, 100%
XYZ	52.5238, 79.6165, 37.4008
YIQ	209.5980, -27.4530, -58.6610

Conversions

Conversions Part 2

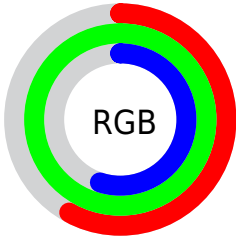
Format	Color
RYB	140, 255, 248
Decimal	9699212
CIELab	91.51, -53.11, 45.30
CIELCh	92, 69.804, 139.537
Yxy	79.6165, 0.3098, 0.4696
Android (android.graphics.Color)	4287889292 (0xFF93FF8C)
YUV	209.5980, -34.3118, -54.8984
Hunter-Lab	89.2281, -51.0757, 37.6077

Details

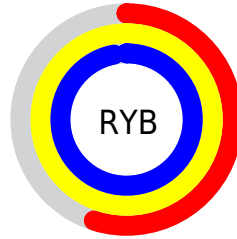
The Yxy color **79.6165, 0.3098, 0.4696** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.9238, 0.3119, 0.2166**, and the grayscale version is **64.4105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4393, 0.3157, 0.3945**, and **42.7445, 0.3056, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **76.9604, 0.3084, 0.5050**, and if you desaturate by 10%, it is **82.9051, 0.3109, 0.4341**.

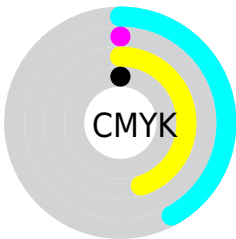
Distribution



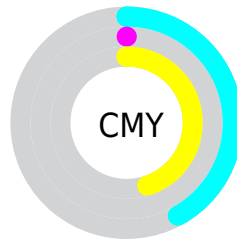
- Red (58%)
- Green (100%)
- Blue (55%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6165, 0.3098, 0.4696 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 79.6165, 0.3098, 0.4696 by changing the saturation by 10% instead.


 79.6165, 0.3098,
0.4696


 79.6165, 0.3098,
0.4696


493.6395, 0.3143,
0.4011

 59.4028, 0.3079,
0.4858


 132.8264, 0.3120,
0.4453

 42.9375, 0.3051,
0.5061


 166.5914, 0.3127,
0.4360

 29.8361, 0.3008,
0.5319


205.6424, 0.3132,
0.4281

 19.7142, 0.2938,
0.5658

250.3636, 0.3135,
0.4212

 12.1875, 0.2819,
0.6114

301.1396, 0.3138,
0.4152

 6.8715, 0.2613,
0.6765


358.3546, 0.3140,


 3.3819, 0.2235,


0.4099


0.7765

422.3931, 0.3142,
0.4053


 1.3342, 0.0000,
1.0000


 0.1674, 0.0000,
1.0000

 79.6165, 0.3098,
0.4696


 79.6165, 0.3098,
0.4696


 76.9604, 0.3084,
0.5050


 82.9051, 0.3109,
0.4341


 74.8994, 0.3067,
0.5378

 86.8672, 0.3117,
0.4003

 73.3865, 0.3049,
0.5653

 91.5361, 0.3123,
0.3694

 72.3692, 0.3031,
0.5851

 96.9438, 0.3126,
0.3418

■ 71.7844, 0.3015,
0.5963

100.0000, 0.3127,
0.3290

■ 71.6262, 0.3009,
0.5993

Harmonies

Analogous

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



79.6165, 0.3864, 0.4748



79.6165, 0.3098, 0.4696



79.6165, 0.2381, 0.4052

Triad

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



79.6165, 0.3098, 0.4696



79.6165, 0.1870, 0.2138



79.6165, 0.4504, 0.3182

Complementary

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



79.6165, 0.3098, 0.4696



45.9238, 0.3119, 0.2166

Split Complementary

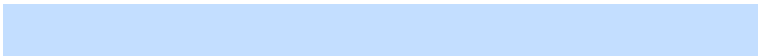
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.6165, 0.3819, 0.2655



79.6165, 0.3098, 0.4696



79.6165, 0.2290, 0.2079

Square

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



79.6165, 0.3098, 0.4696



79.6165, 0.1738, 0.2490



79.6165, 0.2982, 0.2265



79.6165, 0.4740, 0.3770

Rectangle

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



79.6165, 0.3098, 0.4696



79.6165, 0.2028, 0.3457



79.6165, 0.2982, 0.2265



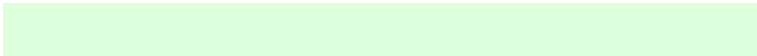
79.6165, 0.4315, 0.2996

Sweetspot

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



79.6153, 0.3098, 0.4696



92.0975, 0.3123, 0.3662



89.8776, 0.3829, 0.4338



19.4801, 0.3122, 0.3725



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

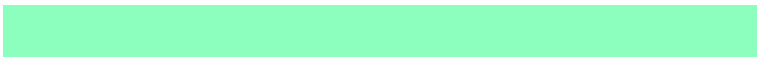
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6153, 0.3098, 0.4696



77.2241, 0.3086, 0.5011



80.8035, 0.2822, 0.4083



20.2210, 0.3125, 0.3535



37.4465, 0.3012, 0.5990



3.6637, 0.3042, 0.5967

Inverse Universe

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



45.9238, 0.3119, 0.2166



39.7145, 0.3112, 0.1972



44.4254, 0.3642, 0.2625



18.2406, 0.3128, 0.3055



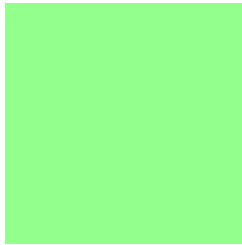
13.4263, 0.3056, 0.1457



1.3237, 0.3075, 0.1468

Previews

White Background



This preview shows how the Yxy color 79.6165, 0.3098, 0.4696 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 79.6165, 0.3098, 0.4696 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 79.6165, 0.3098, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 79.6165, 0.3098, 0.4696.

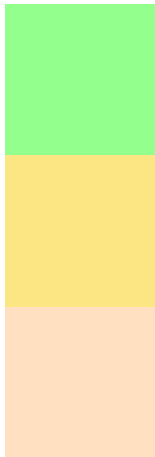


This preview shows how white text looks on a background with the Yxy color 79.6165, 0.3098, 0.4696.

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

79.6165, 0.3098, 0.4696

Protanopia

78.3728, 0.3940, 0.4273

Deuteranopia

78.3771, 0.3572, 0.3617



Tritanopia

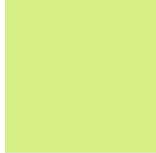
79.1434, 0.2703, 0.3115

Trichromacy



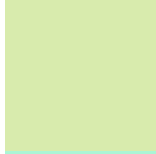
Original Color

79.6165, 0.3098, 0.4696



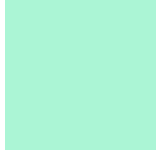
Protanomaly

77.1664, 0.3600, 0.4437



Deuteranomaly

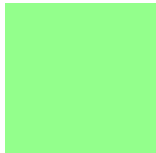
77.0327, 0.3388, 0.3980



Tritanomaly

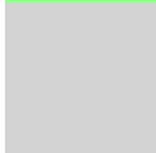
78.7668, 0.2857, 0.3661

Monochromacy



Original Color

79.6165, 0.3098, 0.4696



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.4603, 0.3118, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6165, 0.3098, 0.4696 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(147, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 140)  
}
```

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(147, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 79.6165, 0.3098, 0.4696 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(147, 255, 140) }
```

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

```
.border{ border-color:rgb(147, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6165, 0.3098, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 140) }
```

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

```
.background{ background-color: rgb(147,  
255, 140) }
```

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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