

Converting Colors

$Yxy(79.4629, 0.3049, 0.4457)$

Have a look what the booklet for
Yxy(79.4629, 0.3049, 0.4457)
contains.

Yxy(79.4572, 0.3050, 0.4459)	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(79.4572, 0.3050, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	99FD9D
RGB	153, 253, 157
RGB Percent	60%, 99%, 62%
CMY	0.4000, 0.0078, 0.3841
CMYK	0.40, 0.00, 0.38, 0.01
HSL	122°, 96%, 80%
HSV	122°, 40%, 99%
XYZ	54.3495, 79.4572, 44.3884
YIQ	212.1560, -28.7840, -51.0560

Conversions

Conversions Part 2

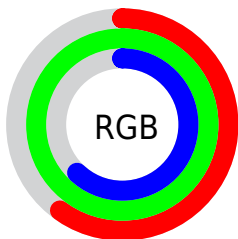
Format	Color
RYB	153, 249, 253
Decimal	10091933
CIELab	91.44, -48.10, 36.95
CIELCh	91, 60.651, 142.472
Yxy	79.4572, 0.3050, 0.4459
Android (android.graphics.Color)	4288282013 (0xFF99FD9D)
YUV	212.1560, -27.1919, -51.8798
Hunter-Lab	89.1388, -47.1582, 32.8725

Details

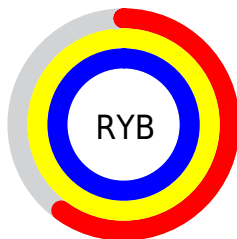
The Yxy color **79.4572, 0.3050, 0.4459** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.5002, 0.3206, 0.2347**, and the grayscale version is **66.1490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1224, 0.3100, 0.3749**, and **42.9661, 0.3007, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **76.5055, 0.3031, 0.4811**, and if you desaturate by 10%, it is **83.1021, 0.3070, 0.4120**.

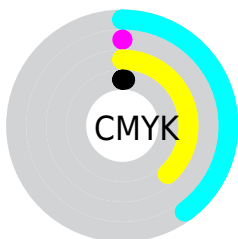
Distribution



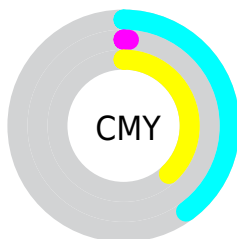
- Red (60%)
- Green (99%)
- Blue (62%)



- Red (60%)
- Yellow (98%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)




- Cyan (40%)
- Magenta (1%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4572, 0.3050, 0.4459 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 79.4572, 0.3050, 0.4459 by changing the saturation by 10% instead.


 79.4572, 0.3050,
0.4459

 79.4572, 0.3050,
0.4459


493.1017, 0.3106,
0.3892

 59.2718, 0.3032,
0.4594


 132.6023, 0.3074,
0.4258

 42.8319, 0.3006,
0.4763


 166.3308, 0.3082,
0.4180

 29.7533, 0.2968,
0.4980


205.3424, 0.3088,
0.4115

 19.6514, 0.2910,
0.5268

250.0216, 0.3094,
0.4058

 12.1419, 0.2816,
0.5664

300.7527, 0.3098,
0.4008

 6.8404, 0.2650,
0.6232


357.9202, 0.3101,


 3.3625, 0.2473,

0.3965

0.7523


421.9084, 0.3104,
0.3926


 1.3238, 0.0219,
0.9781


 0.1595, 0.0000,
1.0000


 79.4572, 0.3050,
0.4459


 79.4572, 0.3050,
0.4459


 76.5055, 0.3031,
0.4811


 83.1021, 0.3070,
0.4120


 74.1941, 0.3014,
0.5155

 87.4697, 0.3091,
0.3807

 72.4782, 0.3002,
0.5466

 92.5996, 0.3110,
0.3526

 71.3033, 0.2995,
0.5718

 98.5258, 0.3128,
0.3279

■ 70.6046, 0.2993,
0.5890

98.7332, 0.3128,
0.3271

■ 70.2859, 0.2995,
0.5980

■ 70.2756, 0.2995,
0.5983

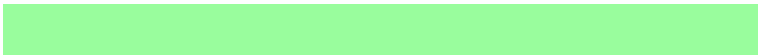
Harmonies

Analogous

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



79.4572, 0.3730, 0.4578



79.4572, 0.3050, 0.4459



79.4572, 0.2426, 0.3875

Triad

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



79.4572, 0.3050, 0.4459



79.4572, 0.2036, 0.2256



79.4572, 0.4364, 0.3259

Complementary

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



79.4572, 0.3050, 0.4459



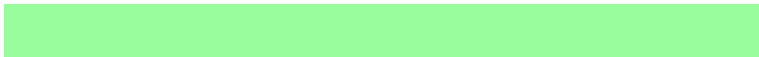
50.5002, 0.3206, 0.2347

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.



79.4572, 0.3802, 0.2773



79.4572, 0.3050, 0.4459



79.4572, 0.2442, 0.2219

Square

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



79.4572, 0.3050, 0.4459



79.4572, 0.1891, 0.2553



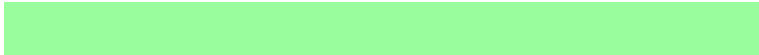
79.4572, 0.3075, 0.2405



79.4572, 0.4535, 0.3790

Rectangle

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



79.4572, 0.3050, 0.4459



79.4572, 0.2125, 0.3370



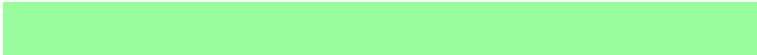
79.4572, 0.3075, 0.2405



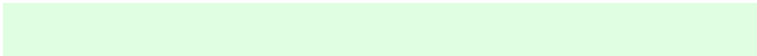
79.4572, 0.4212, 0.3089

Sweetspot

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



79.4605, 0.3050, 0.4459



92.9025, 0.3105, 0.3593



92.8160, 0.3698, 0.4281



19.7347, 0.3103, 0.3628



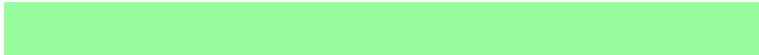
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

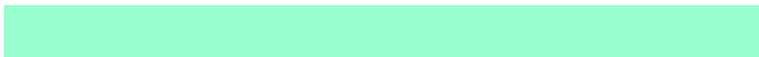
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4605, 0.3050, 0.4459



78.5769, 0.3035, 0.4722



81.4972, 0.2802, 0.3842



20.1801, 0.3110, 0.3526



37.3877, 0.2993, 0.5976



3.6443, 0.2977, 0.5917

Inverse Universe

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



50.5002, 0.3206, 0.2347



45.5412, 0.3222, 0.2184



47.8180, 0.3653, 0.2805



18.2869, 0.3144, 0.3065



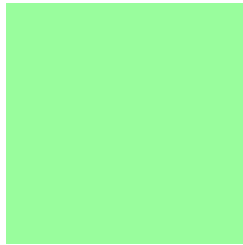
14.5488, 0.3313, 0.1599



1.4204, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 79.4572, 0.3050, 0.4459 looks on a white background.

Color Contrast Check

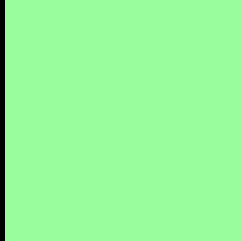
Large Text (above 18pt) WCAG AA × Fail

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 79.4572, 0.3050, 0.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

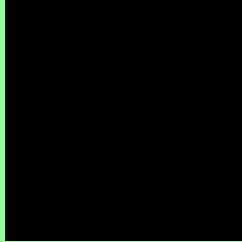
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

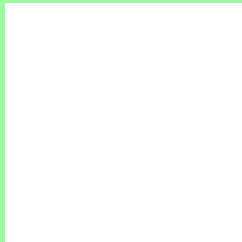
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4572, 0.3050, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 79.4572, 0.3050, 0.4459.



This preview shows how white text looks on a background with the Yxy color 79.4572, 0.3050, 0.4459.

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

79.4572, 0.3050, 0.4459

Protanopia

78.2849, 0.3817, 0.4130

Deuteranopia

78.5114, 0.3551, 0.3586



Tritanopia

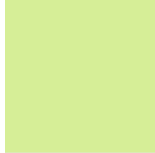
79.1434, 0.2703, 0.3115

Trichromacy



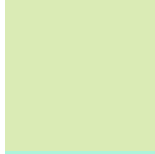
Original Color

79.4572, 0.3050, 0.4459



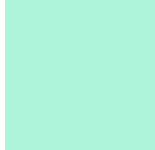
Protanomaly

77.6796, 0.3501, 0.4257



Deuteranomaly

77.6583, 0.3352, 0.3887



Tritanomaly

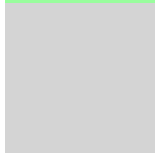
78.7001, 0.2835, 0.3577

Monochromacy



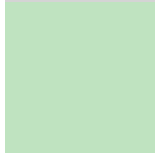
Original Color

79.4572, 0.3050, 0.4459



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.8203, 0.3101, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4572, 0.3050, 0.4459 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, 253, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 253, 157)  
}
```

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, 253, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 253, 157) }
```

Border

The CSS property to change the border of an element to Yxy 79.4572, 0.3050, 0.4459 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, 253, 157) }
```

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

```
.border{ border-color:rgb(153, 253, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 253, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 253, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 253, 157); box-shadow:4px 4px 4px 4px rgb(153, 253, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4572, 0.3050, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 253, 157) }
```

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

```
.background{ background-color: rgb(153,  
253, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor