

Converting Colors

$Yxy(79.9669, 0.3067, 0.4597)$

Have a look what the booklet for
Yxy(79.9669, 0.3067, 0.4597)
contains.

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Color

Yxy(79.9540, 0.3066, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	94FF94
RGB	148, 255, 148
RGB Percent	58%, 100%, 58%
CMY	0.4194, 0.0000, 0.4195
CMYK	0.42, 0.00, 0.42, 0.00
HSL	120°, 100%, 79%
HSV	120°, 42%, 100%
XYZ	53.3259, 79.9540, 40.6466
YIQ	210.8090, -29.4250, -55.9610

Conversions

Conversions Part 2

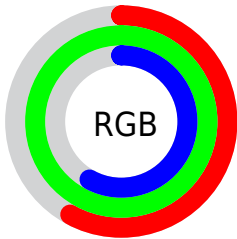
Format	Color
RYB	148, 255, 255
Decimal	9764756
CIELab	91.66, -51.68, 41.62
CIELCh	92, 66.359, 141.156
Yxy	79.9540, 0.3066, 0.4597
Android (android.graphics.Color)	4287954836 (0xFF94FF94)
YUV	210.8090, -30.9648, -55.0835
Hunter-Lab	89.4170, -50.0272, 35.6402

Details

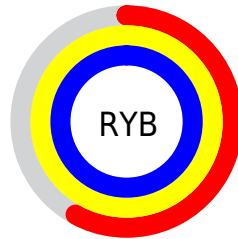
The Yxy color **79.9540, 0.3066, 0.4597** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.6600, 0.3175, 0.2257**, and the grayscale version is **65.2418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9536, 0.3119, 0.3854**, and **42.9324, 0.3020, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **77.1145, 0.3049, 0.4959**, and if you desaturate by 10%, it is **83.5016, 0.3083, 0.4240**.

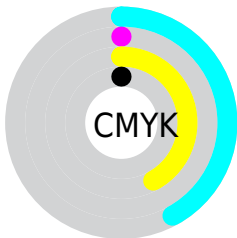
Distribution



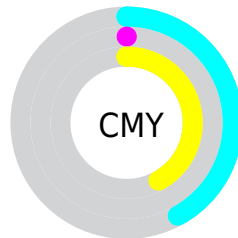
- Red (58%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9540, 0.3066, 0.4597 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 79.9540, 0.3066, 0.4597 by changing the saturation by 10% instead.


 79.9540, 0.3066,
0.4597

 79.9540, 0.3066,
0.4597


494.7778, 0.3121,
0.3961

 59.6805, 0.3046,
0.4748


 133.3011, 0.3091,
0.4371

 43.1612, 0.3018,
0.4937


 167.1434, 0.3099,
0.4285

 30.0116, 0.2976,
0.5178


206.2775, 0.3105,
0.4211

 19.8474, 0.2910,
0.5497

251.0877, 0.3109,
0.4148

 12.2842, 0.2801,
0.5930

301.9585, 0.3113,
0.4092

 6.9375, 0.2606,
0.6539

359.2741, 0.3116,

 3.4230, 0.2314,

0.4043

0.7686

423.4191, 0.3119,
0.4000

■ 1.3564, 0.0000,
1.0000

■ 0.1842, 0.0000,
1.0000

■ 79.9540, 0.3066,
0.4597

■ 79.9540, 0.3066,
0.4597

■ 77.1145, 0.3049,
0.4959

■ 83.5016, 0.3083,
0.4240

■ 74.9264, 0.3033,
0.5303

■ 87.7895, 0.3098,
0.3906

■ 73.3410, 0.3019,
0.5598

■ 92.8599, 0.3112,
0.3604

■ 72.2981, 0.3009,
0.5819

■ 98.7492, 0.3125,
0.3338

■ 71.7253, 0.3002,
0.5950

99.9979, 0.3127,
0.3290

■ 71.5184, 0.3000,
0.6000

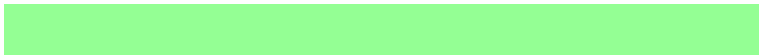
Harmonies

Analogous

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



79.9540, 0.3801, 0.4688



79.9540, 0.3066, 0.4597



79.9540, 0.2387, 0.3967

Triad

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



79.9540, 0.3066, 0.4597



79.9540, 0.1938, 0.2180



79.9540, 0.4459, 0.3223

Complementary

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



79.9540, 0.3066, 0.4597



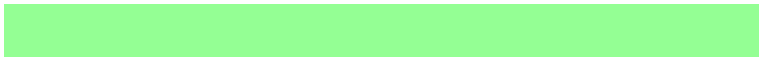
49.6600, 0.3175, 0.2257

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.



79.9540, 0.3828, 0.2709



79.9540, 0.3066, 0.4597



79.9540, 0.2359, 0.2134

Square

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



79.9540, 0.3066, 0.4597



79.9540, 0.1796, 0.2505



79.9540, 0.3033, 0.2324



79.9540, 0.4660, 0.3789

Rectangle

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



79.9540, 0.3066, 0.4597



79.9540, 0.2058, 0.3408



79.9540, 0.3033, 0.2324



79.9540, 0.4287, 0.3042

Sweetspot

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



79.9574, 0.3066, 0.4597



92.2933, 0.3111, 0.3634



93.7838, 0.3762, 0.4314



19.5042, 0.3108, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

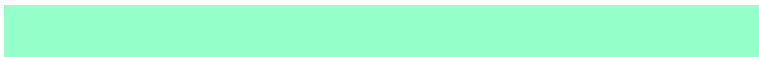
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9574, 0.3066, 0.4597



77.6186, 0.3052, 0.4889



81.9731, 0.2812, 0.3949



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



49.6600, 0.3175, 0.2257



43.7815, 0.3184, 0.2082



46.7716, 0.3646, 0.2722



18.3001, 0.3138, 0.3056



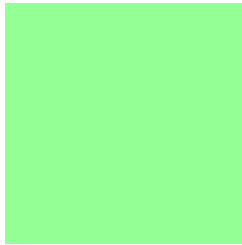
14.8746, 0.3209, 0.1541



1.4484, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 79.9540, 0.3066, 0.4597 looks on a white background.

Color Contrast Check

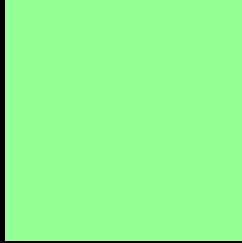
Large Text (above 18pt) WCAG AA × Fail

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 79.9540, 0.3066, 0.4597 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 79.9540, 0.3066, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 79.9540, 0.3066, 0.4597.

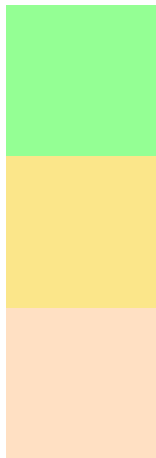


This preview shows how white text looks on a background with the Yxy color 79.9540, 0.3066, 0.4597.

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

79.9540, 0.3066, 0.4597

Protanopia

78.9378, 0.3885, 0.4220

Deuteranopia

78.5114, 0.3551, 0.3586



Tritanopia

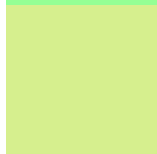
79.2673, 0.2709, 0.3115

Trichromacy



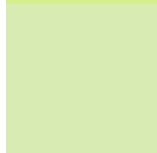
Original Color

79.9540, 0.3066, 0.4597



Protanomaly

77.9821, 0.3551, 0.4362



Deuteranomaly

77.2299, 0.3356, 0.3924



Tritanomaly

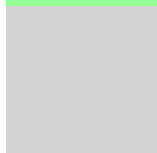
79.0333, 0.2846, 0.3625

Monochromacy



Original Color

79.9540, 0.3066, 0.4597



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.2604, 0.3105, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9540, 0.3066, 0.4597 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(148, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 148)  
}
```

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(148, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 79.9540, 0.3066, 0.4597 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(148, 255, 148) }
```

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

```
.border{ border-color:rgb(148, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9540, 0.3066, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 148) }
```

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

```
.background{ background-color: rgb(148,  
255, 148) }
```

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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