

Converting Colors

Yxy(87.2464, 0.3174, 0.4954)

Have a look what the booklet for
Yxy(87.2464, 0.3174, 0.4954)
contains.

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Color

Yxy(79.4593, 0.3187, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	96FF7C
RGB	150, 255, 124
RGB Percent	59%, 100%, 49%
CMY	0.4117, 0.0000, 0.5138
CMYK	0.41, 0.00, 0.51, 0.00
HSL	108°, 100%, 74%
HSV	108°, 51%, 100%
XYZ	51.9780, 79.4593, 31.6565
YIQ	208.6710, -20.5290, -63.0010

Conversions

Conversions Part 2

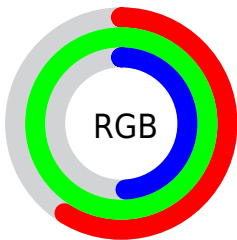
Format	Color
RYB	124, 255, 229
Decimal	9895804
CIELab	91.44, -54.23, 52.75
CIELCh	91, 75.653, 135.793
Yxy	79.4593, 0.3187, 0.4872
Android (android.graphics.Color)	4288085884 (0xFF96FF7C)
YUV	208.6710, -41.7428, -51.4545
Hunter-Lab	89.1399, -51.9106, 41.3421

Details

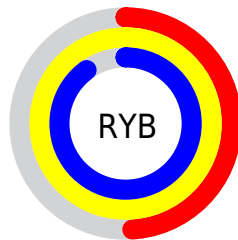
The Yxy color **79.4593, 0.3187, 0.4872** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **38.2778, 0.2954, 0.1965**, and the grayscale version is **63.8252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3300, 0.3272, 0.4118**, and **42.6116, 0.3143, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **77.1249, 0.3177, 0.5199**, and if you desaturate by 10%, it is **82.3022, 0.3187, 0.4530**.

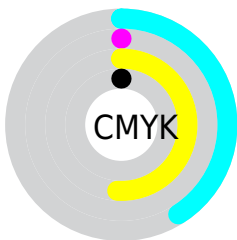
Distribution



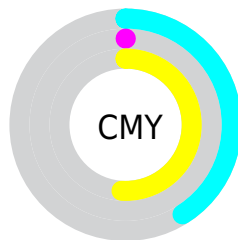
- Red (59%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4593, 0.3187, 0.4872 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 79.4593, 0.3187, 0.4872 by changing the saturation by 10% instead.


 79.4593, 0.3187,
0.4872

 79.4593, 0.3187,
0.4872

493.1088, 0.3201,
0.4103


 59.2735, 0.3172,
0.5052


 132.6053, 0.3201,
0.4600

 42.8333, 0.3146,
0.5275


 166.3342, 0.3204,
0.4496

 29.7544, 0.3103,
0.5557


 205.3464, 0.3205,
0.4407

 19.6522, 0.3029,
0.5920

250.0261, 0.3205,
0.4329

 12.1425, 0.2895,
0.6394

300.7578, 0.3205,
0.4262

 6.8408, 0.2709,
0.7184

357.9259, 0.3204,

 3.3627, 0.2177,

0.4203

0.7823

421.9148, 0.3202,
0.4150

■ 1.3239, 0.0000,
1.0000

■ 0.1596, 0.0000,
1.0000

■ 79.4593, 0.3187,
0.4872

■ 79.4593, 0.3187,
0.4872

■ 77.1249, 0.3177,
0.5199

■ 82.3022, 0.3187,
0.4530

■ 75.2626, 0.3158,
0.5490


■ 85.6758, 0.3179,
0.4194


■ 73.8401, 0.3128,
0.5720

■ 89.6079, 0.3166,
0.3876

■ 72.8179, 0.3091,
0.5876

■ 94.1228, 0.3149,
0.3585

 72.2162, 0.3059,
0.5953

 99.2431, 0.3130,
0.3324

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.4593, 0.4001, 0.4824



79.4593, 0.3187, 0.4872



79.4593, 0.2401, 0.4238

Triad

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



79.4593, 0.3187, 0.4872



79.4593, 0.1751, 0.2082



79.4593, 0.4549, 0.3089

Complementary

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



79.4593, 0.3187, 0.4872



38.2778, 0.2954, 0.1965

Split Complementary

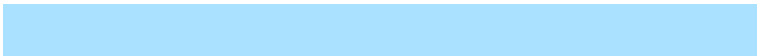
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4593, 0.3761, 0.2546



79.4593, 0.3187, 0.4872



79.4593, 0.2155, 0.1990

Square

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



79.4593, 0.3187, 0.4872



79.4593, 0.1648, 0.2492



79.4593, 0.2859, 0.2158



79.4593, 0.4867, 0.3705

Rectangle

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



79.4593, 0.3187, 0.4872



79.4593, 0.2003, 0.3588



79.4593, 0.2859, 0.2158



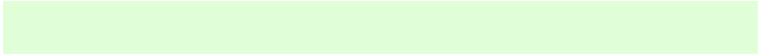
79.4593, 0.4325, 0.2896

Sweetspot

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



79.4612, 0.3187, 0.4872



92.4210, 0.3156, 0.3687



78.6397, 0.4005, 0.4324



19.5773, 0.3159, 0.3748



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

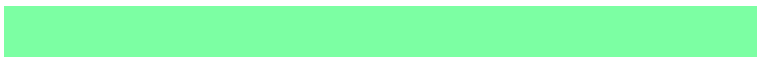
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4612, 0.3187, 0.4872



76.9966, 0.3177, 0.5219



78.4576, 0.2874, 0.4447



20.3420, 0.3146, 0.3534



37.7834, 0.3067, 0.5947



3.7218, 0.3136, 0.5892

Inverse Universe

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



38.2778, 0.2954, 0.1965



31.5284, 0.2902, 0.1729



40.6107, 0.3560, 0.2378



18.1072, 0.3106, 0.3054



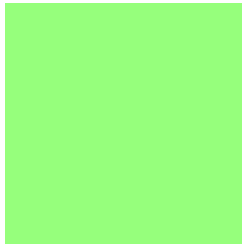
10.5664, 0.2709, 0.1266



1.0730, 0.2769, 0.1299

Previews

White Background



This preview shows how the Yxy color 79.4593, 0.3187, 0.4872 looks on a white background.

Color Contrast Check

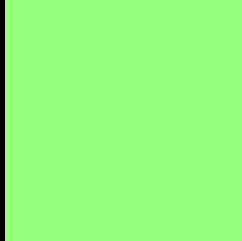
Large Text (above 18pt) WCAG AA × Fail

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 79.4593, 0.3187, 0.4872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

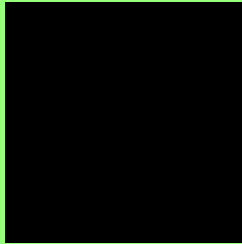
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

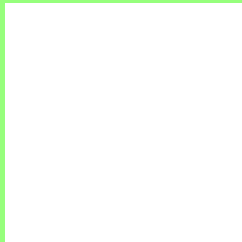
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4593, 0.3187, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 79.4593, 0.3187, 0.4872.

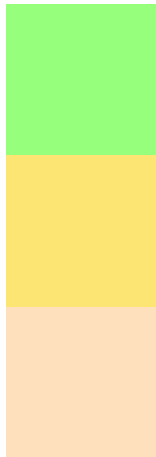


This preview shows how white text looks on a background with the Yxy color 79.4593, 0.3187, 0.4872.

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

79.4593, 0.3187, 0.4872

Protanopia

78.1591, 0.4039, 0.4408

Deuteranopia

78.2454, 0.3593, 0.3648



Tritanopia

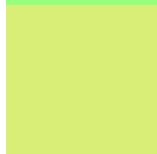
79.2673, 0.2709, 0.3115

Trichromacy



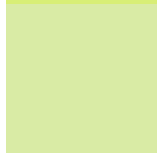
Original Color

79.4593, 0.3187, 0.4872



Protanomaly

77.0560, 0.3701, 0.4588



Deuteranomaly

76.8850, 0.3445, 0.4068



Tritanomaly

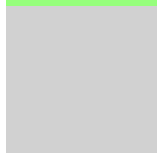
78.5805, 0.2894, 0.3733

Monochromacy



Original Color

79.4593, 0.3187, 0.4872



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2984, 0.3169, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4593, 0.3187, 0.4872 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(150, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 124)  
}
```

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(150, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 124) }
```

Border

The CSS property to change the border of an element to Yxy 79.4593, 0.3187, 0.4872 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(150, 255, 124) }
```

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

```
.border{ border-color:rgb(150, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4593, 0.3187, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 124) }
```

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

```
.background{ background-color: rgb(150,  
255, 124) }
```

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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