

Converting Colors

$Yxy(85.2435, 0.3170, 0.4934)$

Have a look what the booklet for
Yxy(85.2435, 0.3170, 0.4934)
contains.

Yxy(79.3648, 0.3181, 0.4875)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.3648, 0.3181, 0.4875)

Conversions

Conversions Part 1

Format	Color
Hex	95FF7C
RGB	149, 255, 124
RGB Percent	58%, 100%, 49%
CMY	0.4158, 0.0000, 0.5138
CMYK	0.42, 0.00, 0.51, 0.00
HSL	109°, 100%, 74%
HSV	109°, 51%, 100%
XYZ	51.7865, 79.3648, 31.6482
YIQ	208.3720, -21.1250, -63.2130

Conversions

Conversions Part 2

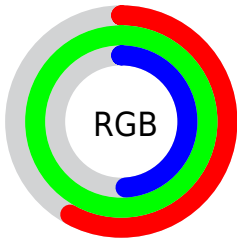
Format	Color
RYB	124, 255, 230
Decimal	9830268
CIELab	91.40, -54.55, 52.69
CIElCh	91, 75.839, 135.994
Yxy	79.3648, 0.3181, 0.4875
Android (android.graphics.Color)	4288020348 (0xFF95FF7C)
YUV	208.3720, -41.5954, -52.0692
Hunter-Lab	89.0869, -52.1394, 41.2980

Details

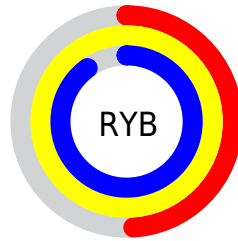
The Yxy color **79.3648, 0.3181, 0.4875** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **38.4525, 0.2964, 0.1969**, and the grayscale version is **63.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1846, 0.3266, 0.4119**, and **42.5611, 0.3137, 0.5272** is the 20% darker color. If you saturate the color by 10%, you get **77.0258, 0.3171, 0.5203**, and if you desaturate by 10%, it is **82.2070, 0.3182, 0.4532**.

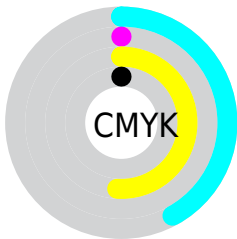
Distribution



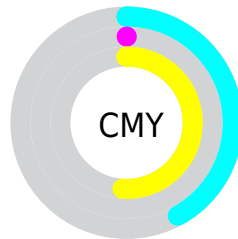
- Red (58%)
- Green (100%)
- Blue (49%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3648, 0.3181, 0.4875 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 79.3648, 0.3181, 0.4875 by changing the saturation by 10% instead.


 79.3648, 0.3181,
0.4875


 79.3648, 0.3181,
0.4875


492.7896, 0.3198,
0.4104

 59.1958, 0.3165,
0.5056


 132.4723, 0.3196,
0.4603

 42.7708, 0.3139,
0.5280


 166.1796, 0.3199,
0.4498

 29.7053, 0.3095,
0.5563


 205.1684, 0.3201,
0.4408

 19.6150, 0.3019,
0.5927

249.8232, 0.3201,
0.4331

 12.1155, 0.2883,
0.6404

300.5283, 0.3201,
0.4263

 6.8224, 0.2695,
0.7199

357.6681, 0.3200,

 3.3513, 0.2159,

0.4204

0.7841

421.6271, 0.3199,
0.4151

■ 1.3178, 0.0000,
1.0000

■ 0.1549, 0.0000,
1.0000

■ 79.3648, 0.3181,
0.4875

■ 79.3648, 0.3181,
0.4875

■ 77.0258, 0.3171,
0.5203

■ 82.2070, 0.3182,
0.4532

■ 75.1698, 0.3151,
0.5494


■ 85.5921, 0.3175,
0.4195

■ 73.7582, 0.3122,
0.5725

■ 89.5427, 0.3163,
0.3877

■ 72.7509, 0.3086,
0.5880

■ 94.0835, 0.3148,
0.3585

 72.1641, 0.3055,
0.5956

 99.2377, 0.3130,
0.3324

100.0000, 0.3127,
0.3290

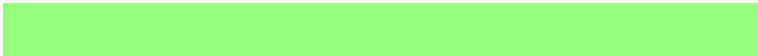
Harmonies

Analogous

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



79.3648, 0.3997, 0.4831



79.3648, 0.3181, 0.4875



79.3648, 0.2394, 0.4235

Triad

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



79.3648, 0.3181, 0.4875



79.3648, 0.1749, 0.2078



79.3648, 0.4557, 0.3092

Complementary

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



79.3648, 0.3181, 0.4875



38.4525, 0.2964, 0.1969

Split Complementary

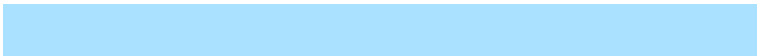
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3648, 0.3769, 0.2548



79.3648, 0.3181, 0.4875



79.3648, 0.2156, 0.1987

Square

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



79.3648, 0.3181, 0.4875



79.3648, 0.1644, 0.2485



79.3648, 0.2864, 0.2157



79.3648, 0.4872, 0.3710

Rectangle

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



79.3648, 0.3181, 0.4875



79.3648, 0.1997, 0.3582



79.3648, 0.2864, 0.2157



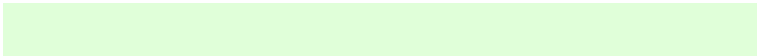
79.3648, 0.4333, 0.2899

Sweetspot

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



79.3611, 0.3181, 0.4875



92.3715, 0.3154, 0.3687



78.6396, 0.4005, 0.4324



19.5656, 0.3157, 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.



79.3611, 0.3181, 0.4875



76.8978, 0.3170, 0.5223



78.4575, 0.2874, 0.4447



20.3348, 0.3144, 0.3534



37.7546, 0.3062, 0.5950



3.7180, 0.3130, 0.5897

Inverse Universe

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



38.4525, 0.2964, 0.1969



31.7329, 0.2914, 0.1734



40.6106, 0.3560, 0.2378



18.1150, 0.3107, 0.3054



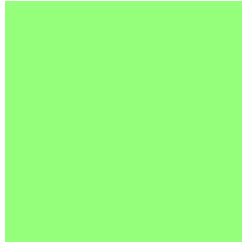
10.7182, 0.2729, 0.1277



1.0865, 0.2787, 0.1309

Previews

White Background



This preview shows how the Yxy color 79.3648, 0.3181, 0.4875 looks on a white background.

Color Contrast Check

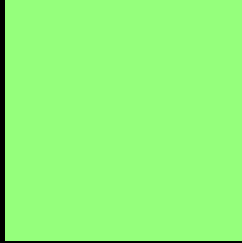
Large Text (above 18pt) WCAG AA × Fail

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 79.3648, 0.3181, 0.4875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

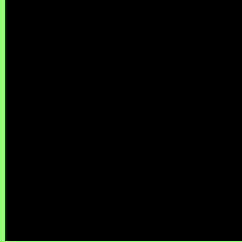
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

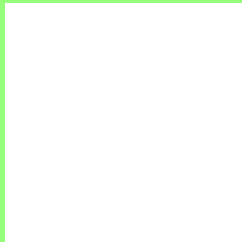
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3648, 0.3181, 0.4875

Background



This preview shows how black text looks on a background with the Yxy color 79.3648, 0.3181, 0.4875.

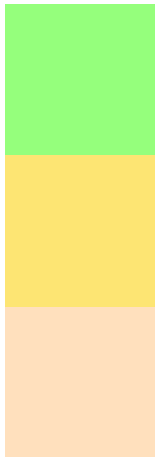


This preview shows how white text looks on a background with the Yxy color 79.3648, 0.3181, 0.4875.

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

79.3648, 0.3181, 0.4875

Protanopia

78.1591, 0.4039, 0.4408

Deuteranopia

78.2454, 0.3593, 0.3648



Tritanopia

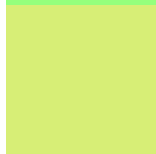
79.1434, 0.2703, 0.3115

Trichromacy



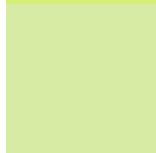
Original Color

79.3648, 0.3181, 0.4875



Protanomaly

76.9042, 0.3694, 0.4591



Deuteranomaly

76.7322, 0.3438, 0.4070



Tritanomaly

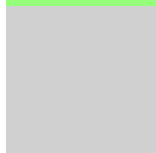
78.4677, 0.2889, 0.3734

Monochromacy



Original Color

79.3648, 0.3181, 0.4875



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5895, 0.3169, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3648, 0.3181, 0.4875 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(149, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 124) }
```

Border

The CSS property to change the border of an element to Yxy 79.3648, 0.3181, 0.4875 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(149, 255, 124) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3648, 0.3181, 0.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 124) }
```

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

```
.background{ background-color: rgb(149,  
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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