

Converting Colors

$Yxy(80.7588, 0.3166, 0.4672)$

Have a look what the booklet for
Yxy(80.7588, 0.3166, 0.4672)
contains.

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Color

Yxy(80.7844, 0.3165, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	9FFF8C
RGB	159, 255, 140
RGB Percent	62%, 100%, 55%
CMY	0.3767, 0.0000, 0.4509
CMYK	0.38, 0.00, 0.45, 0.00
HSL	110°, 100%, 77%
HSV	110°, 45%, 100%
XYZ	54.7852, 80.7844, 37.5274
YIQ	213.1860, -20.3010, -56.1170

Conversions

Conversions Part 2

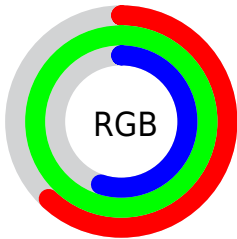
Format	Color
RYB	140, 255, 236
Decimal	10485644
CIELab	92.04, -49.56, 46.04
CIELCh	92, 67.646, 137.105
Yxy	80.7844, 0.3165, 0.4667
Android (android.graphics.Color)	4288675724 (0xFF9FFF8C)
YUV	213.1860, -36.0807, -47.5211
Hunter-Lab	89.8801, -48.4880, 38.1609

Details

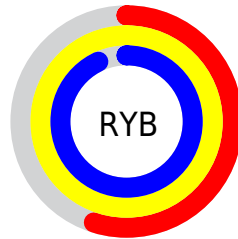
The Yxy color **80.7844, 0.3165, 0.4667** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.8331, 0.3017, 0.2131**, and the grayscale version is **66.9171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2118, 0.3233, 0.3930**, and **43.9011, 0.3136, 0.5026** is the 20% darker color. If you saturate the color by 10%, you get **78.1197, 0.3158, 0.5010**, and if you desaturate by 10%, it is **83.9894, 0.3164, 0.4323**.

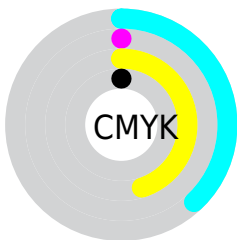
Distribution



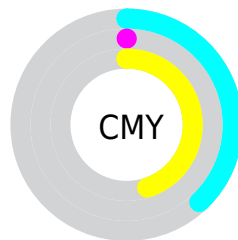
- Red (62%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7844, 0.3165, 0.4667 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 80.7844, 0.3165, 0.4667 by changing the saturation by 10% instead.


 80.7844, 0.3165,
0.4667


 80.7844, 0.3165,
0.4667


497.5724, 0.3178,
0.4001

 60.3640, 0.3153,
0.4824


 134.4680, 0.3176,
0.4432

 43.7121, 0.3134,
0.5018


 168.5000, 0.3179,
0.4341

 30.4443, 0.3103,
0.5266


207.8381, 0.3180,
0.4264

 20.1760, 0.3048,
0.5588

252.8665, 0.3180,
0.4197

 12.5231, 0.2950,
0.6019

303.9698, 0.3180,
0.4139

 7.1010, 0.2772,
0.6628


361.5323, 0.3180,


 3.5253, 0.2440,

0.4087

0.7560


425.9383, 0.3179,
0.4042

 1.4118, 0.0386,
0.9614

 0.2254, 0.0000,
1.0000

 80.7844, 0.3165,
0.4667


 80.7844, 0.3165,
0.4667


 78.1197, 0.3158,
0.5010


 83.9894, 0.3164,
0.4323


 75.9778, 0.3144,
0.5330

 87.7776, 0.3158,
0.3994

 74.3194, 0.3120,
0.5602

 92.1712, 0.3148,
0.3690

 73.1051, 0.3090,
0.5806

 97.1954, 0.3134,
0.3417

■ 72.2891, 0.3057,
0.5930

100.0000, 0.3127,
0.3290

■ 72.0112, 0.3042,
0.5967

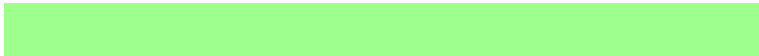
Harmonies

Analogous

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



80.7844, 0.3902, 0.4680



80.7844, 0.3165, 0.4667



80.7844, 0.2458, 0.4088

Triad

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



80.7844, 0.3165, 0.4667



80.7844, 0.1887, 0.2191



80.7844, 0.4415, 0.3145

Complementary

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



80.7844, 0.3165, 0.4667



43.8331, 0.3017, 0.2131

Split Complementary

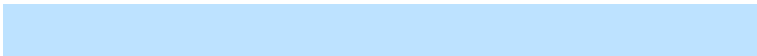
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7844, 0.3731, 0.2639



80.7844, 0.3165, 0.4667



80.7844, 0.2274, 0.2110

Square

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



80.7844, 0.3165, 0.4667



80.7844, 0.1781, 0.2561



80.7844, 0.2926, 0.2273



80.7844, 0.4686, 0.3715

Rectangle

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



80.7844, 0.3165, 0.4667



80.7844, 0.2099, 0.3523



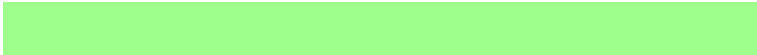
80.7844, 0.2926, 0.2273



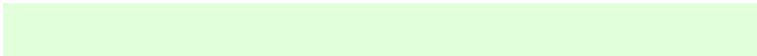
80.7844, 0.4222, 0.2965

Sweetspot

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



80.7797, 0.3165, 0.4667



92.6857, 0.3146, 0.3659



83.0524, 0.3877, 0.4241



19.6212, 0.3149, 0.3722



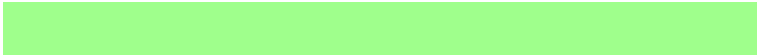
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

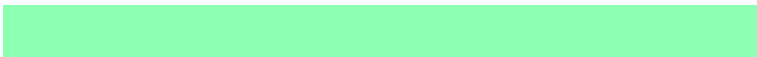
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7797, 0.3165, 0.4667



78.3828, 0.3160, 0.4973



80.3268, 0.2878, 0.4230



20.3116, 0.3140, 0.3534



37.6693, 0.3049, 0.5961



3.7064, 0.3111, 0.5912

Inverse Universe

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



43.8331, 0.3017, 0.2131



37.2265, 0.2984, 0.1921



45.0184, 0.3527, 0.2516



18.1402, 0.3111, 0.3054



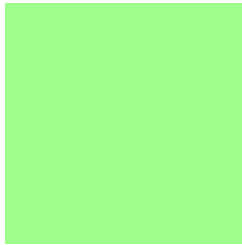
11.2243, 0.2795, 0.1314



1.1313, 0.2845, 0.1341

Previews

White Background



This preview shows how the Yxy color 80.7844, 0.3165, 0.4667 looks on a white background.

Color Contrast Check

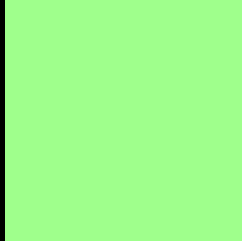
Large Text (above 18pt) WCAG AA × Fail

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 80.7844, 0.3165, 0.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

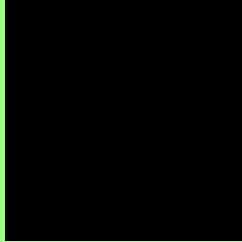
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

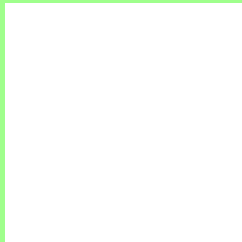
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7844, 0.3165, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 80.7844, 0.3165, 0.4667.

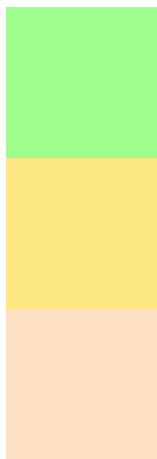


This preview shows how white text looks on a background with the Yxy color 80.7844, 0.3165, 0.4667.

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

80.7844, 0.3165, 0.4667

Protanopia

79.6732, 0.3938, 0.4287

Deuteranopia

79.6382, 0.3539, 0.3595



Tritanopia

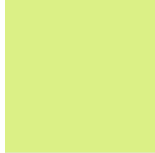
80.1595, 0.2747, 0.3117

Trichromacy



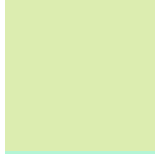
Original Color

80.7844, 0.3165, 0.4667



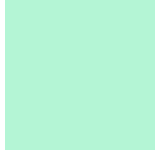
Protanomaly

79.1015, 0.3630, 0.4439



Deuteranomaly

78.9186, 0.3394, 0.3960



Tritanomaly

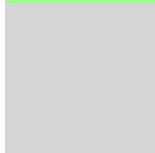
79.8122, 0.2908, 0.3656

Monochromacy



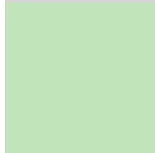
Original Color

80.7844, 0.3165, 0.4667



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3694, 0.3152, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7844, 0.3165, 0.4667 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(159, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 80.7844, 0.3165, 0.4667 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(159, 255, 140) }
```

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

```
.border{ border-color:rgb(159, 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(159, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7844, 0.3165, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 140) }
```

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

```
.background{ background-color: rgb(159,  
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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