

Converting Colors

Yxy(80.0963, 0.3201, 0.4814)

Have a look what the booklet for
Yxy(80.0963, 0.3201, 0.4814)
contains.

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Color

Yxy(80.0471, 0.3198, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	9BFF80
RGB	155, 255, 128
RGB Percent	61%, 100%, 50%
CMY	0.3920, 0.0000, 0.4982
CMYK	0.39, 0.00, 0.50, 0.00
HSL	107°, 100%, 75%
HSV	107°, 50%, 100%
XYZ	53.1763, 80.0471, 33.0564
YIQ	210.6220, -18.8330, -60.6970

Conversions

Conversions Part 2

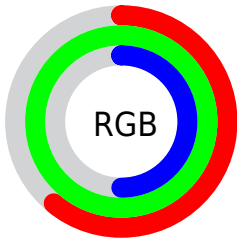
Format	Color
RYB	128, 255, 228
Decimal	10223488
CIELab	91.71, -52.25, 51.28
CIElCh	92, 73.211, 135.537
Yxy	80.0471, 0.3198, 0.4814
Android (android.graphics.Color)	4288413568 (0xFF9BFF80)
YUV	210.6220, -40.7326, -48.7805
Hunter-Lab	89.4690, -50.4786, 40.7223

Details

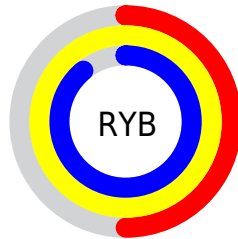
The Yxy color **80.0471, 0.3198, 0.4814** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **39.1318, 0.2946, 0.1997**, and the grayscale version is **65.1653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0850, 0.3275, 0.4067**, and **43.4376, 0.3162, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **77.6366, 0.3191, 0.5143**, and if you desaturate by 10%, it is **82.9607, 0.3195, 0.4474**.

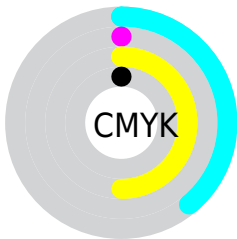
Distribution



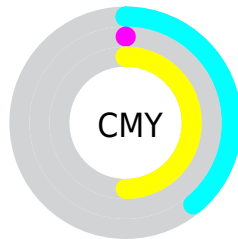
- Red (61%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0471, 0.3198, 0.4814 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 80.0471, 0.3198, 0.4814 by changing the saturation by 10% instead.


 80.0471, 0.3198,
0.4814

 80.0471, 0.3198,
0.4814


495.0916, 0.3204,
0.4075


 59.7571, 0.3186,
0.4987

 133.4320, 0.3209,
0.4553

 43.2229, 0.3164,
0.5201


 167.2956, 0.3210,
0.4453

 30.0600, 0.3127,
0.5472


 206.4526, 0.3211,
0.4367

 19.8842, 0.3061,
0.5821

251.2873, 0.3210,
0.4293

 12.3109, 0.2942,
0.6280

302.1842, 0.3209,
0.4228

 6.9558, 0.2761,
0.7001


359.5276, 0.3207,


 3.4344, 0.2289,

0.4171

0.7711

423.7019, 0.3206,
0.4121


 1.3625, 0.0000,
1.0000


 0.1889, 0.0000,
1.0000

 80.0471, 0.3198,
0.4814


 80.0471, 0.3198,
0.4814


 77.6366, 0.3191,
0.5143


 82.9607, 0.3195,
0.4474

 75.6933, 0.3173,
0.5440

 86.3974, 0.3184,
0.4141

 74.1870, 0.3145,
0.5681

 90.3842, 0.3168,
0.3828

 73.0808, 0.3108,
0.5849

 94.9442, 0.3149,
0.3542

■ 72.3248, 0.3068,
0.5945

100.0000, 0.3127,
0.3290

■ 72.3135, 0.3067,
0.5947

Harmonies

Analogous

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



80.0471, 0.3986, 0.4774



80.0471, 0.3198, 0.4814



80.0471, 0.2433, 0.4209

Triad

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



80.0471, 0.3198, 0.4814



80.0471, 0.1787, 0.2121



80.0471, 0.4495, 0.3094

Complementary

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



80.0471, 0.3198, 0.4814



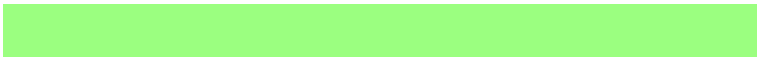
39.1318, 0.2946, 0.1997

Split Complementary

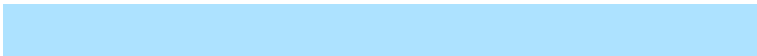
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0471, 0.3734, 0.2565



80.0471, 0.3198, 0.4814



80.0471, 0.2180, 0.2026

Square

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



80.0471, 0.3198, 0.4814



80.0471, 0.1690, 0.2525



80.0471, 0.2863, 0.2187



80.0471, 0.4810, 0.3696

Rectangle

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



80.0471, 0.3198, 0.4814



80.0471, 0.2043, 0.3588



80.0471, 0.2863, 0.2187



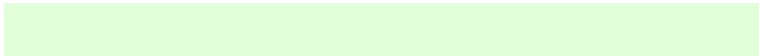
80.0471, 0.4277, 0.2906

Sweetspot

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



80.0493, 0.3198, 0.4814



92.5082, 0.3159, 0.3687



78.0162, 0.3988, 0.4278



19.5981, 0.3163, 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.



80.0493, 0.3198, 0.4814



77.5971, 0.3191, 0.5149



78.7852, 0.2889, 0.4433



20.3546, 0.3148, 0.3533



37.8370, 0.3075, 0.5940



3.7287, 0.3146, 0.5884

Inverse Universe

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



39.1318, 0.2946, 0.1997



32.3155, 0.2892, 0.1762



41.8038, 0.3520, 0.2384



18.0936, 0.3104, 0.3053



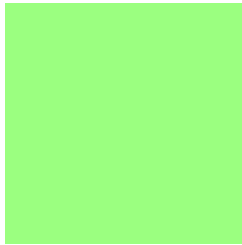
10.3041, 0.2674, 0.1247



1.0497, 0.2738, 0.1282

Previews

White Background



This preview shows how the Yxy color 80.0471, 0.3198, 0.4814 looks on a white background.

Color Contrast Check

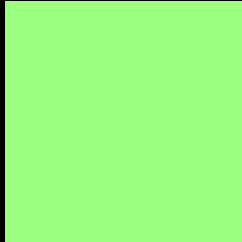
Large Text (above 18pt) WCAG AA × Fail

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 80.0471, 0.3198, 0.4814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

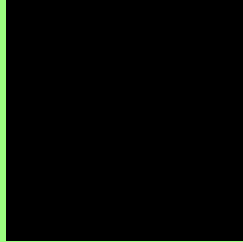
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

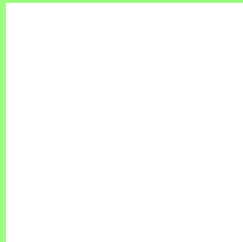
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0471, 0.3198, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 80.0471, 0.3198, 0.4814.



This preview shows how white text looks on a background with the Yxy color 80.0471, 0.3198, 0.4814.

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

80.0471, 0.3198, 0.4814

Protanopia

78.9964, 0.4019, 0.4380

Deuteranopia

78.9162, 0.3570, 0.3627



Tritanopia

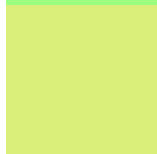
79.6444, 0.2725, 0.3116

Trichromacy



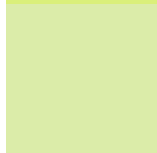
Original Color

80.0471, 0.3198, 0.4814



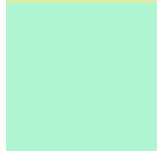
Protanomaly

78.0436, 0.3691, 0.4551



Deuteranomaly

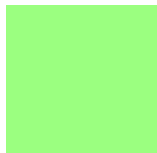
77.9155, 0.3432, 0.4029



Tritanomaly

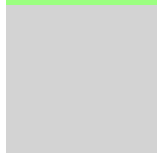
79.1384, 0.2907, 0.3706

Monochromacy



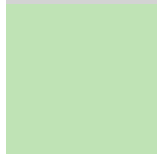
Original Color

80.0471, 0.3198, 0.4814



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3507, 0.3170, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0471, 0.3198, 0.4814 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(155, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 128)  
}
```

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(155, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 80.0471, 0.3198, 0.4814 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(155, 255, 128) }
```

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

```
.border{ border-color:rgb(155, 255, 128) }
```

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

Here you see how a box with a 4 pixel rgb(155, 255, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0471, 0.3198, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 128) }
```

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

```
.background{ background-color: rgb(155,  
255, 128) }
```

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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