

Converting Colors

$Yxy(80.7869, 0.3077, 0.4517)$

Have a look what the booklet for
Yxy(80.7869, 0.3077, 0.4517)
contains.

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Color

Yxy(80.7885, 0.3080, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	9BFF99
RGB	155, 255, 153
RGB Percent	61%, 100%, 60%
CMY	0.3922, 0.0000, 0.3999
CMYK	0.39, 0.00, 0.40, 0.00
HSL	119°, 100%, 80%
HSV	119°, 40%, 100%
XYZ	55.0262, 80.7885, 42.8418
YIQ	213.4720, -26.8580, -52.9220

Conversions

Conversions Part 2

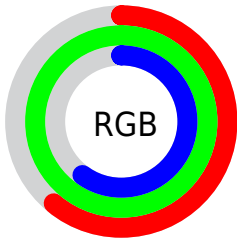
Format	Color
RYB	153, 255, 253
Decimal	10223513
CIELab	92.04, -48.96, 39.72
CIELCh	92, 63.041, 140.948
Yxy	80.7885, 0.3080, 0.4522
Android (android.graphics.Color)	4288413593 (0xFF9BFF99)
YUV	213.4720, -29.8127, -51.2799
Hunter-Lab	89.8824, -48.0161, 34.6575

Details

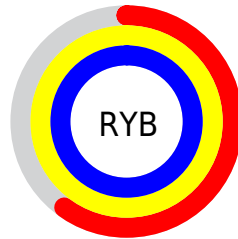
The Yxy color **80.7885, 0.3080, 0.4522** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.9036, 0.3157, 0.2297**, and the grayscale version is **67.0869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2202, 0.3134, 0.3791**, and **43.9049, 0.3042, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **77.8095, 0.3064, 0.4883**, and if you desaturate by 10%, it is **84.4581, 0.3094, 0.4170**.

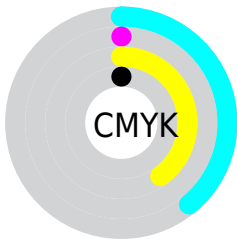
Distribution



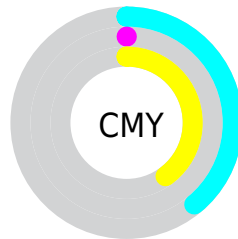
- Red (61%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7885, 0.3080, 0.4522 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 80.7885, 0.3080, 0.4522 by changing the saturation by 10% instead.


 80.7885, 0.3080,
0.4522

 80.7885, 0.3080,
0.4522


497.5862, 0.3125,
0.3925

 60.3674, 0.3063,
0.4663

 134.4738, 0.3101,
0.4311

 43.7149, 0.3039,
0.4840


 168.5067, 0.3107,
0.4230

 30.4464, 0.3003,
0.5065


207.8458, 0.3112,
0.4160

 20.1777, 0.2947,
0.5363

252.8753, 0.3116,
0.4101

 12.5243, 0.2853,
0.5769

303.9797, 0.3119,
0.4048

 7.1018, 0.2684,
0.6343


361.5434, 0.3122,


 3.5258, 0.2470,


0.4003


0.7530


425.9508, 0.3124,
0.3962


 1.4120, 0.0482,
0.9518


 0.2256, 0.0000,
1.0000

 80.7885, 0.3080,
0.4522


 80.7885, 0.3080,
0.4522


 77.8095, 0.3064,
0.4883


 84.4581, 0.3094,
0.4170

 75.4806, 0.3048,
0.5231

 88.8608, 0.3107,
0.3843

 73.7523, 0.3032,
0.5538

 94.0325, 0.3118,
0.3549

 72.5696, 0.3019,
0.5776

100.0000, 0.3127,
0.3290

■ 71.8673, 0.3008,
0.5928

■ 71.5517, 0.3003,
0.5998

■ 71.5515, 0.3003,
0.5998

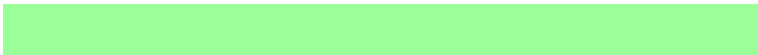
Harmonies

Analogous

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



80.7885, 0.3779, 0.4614



80.7885, 0.3080, 0.4522



80.7885, 0.2431, 0.3934

Triad

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



80.7885, 0.3080, 0.4522



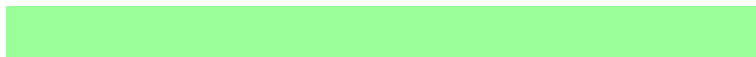
80.7885, 0.1990, 0.2234



80.7885, 0.4385, 0.3228

Complementary

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



80.7885, 0.3080, 0.4522



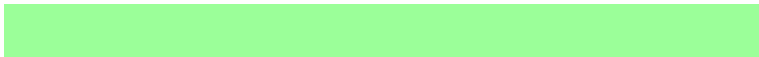
50.9036, 0.3157, 0.2297

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.



80.7885, 0.3787, 0.2734



80.7885, 0.3080, 0.4522



80.7885, 0.2393, 0.2185

Square

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



80.7885, 0.3080, 0.4522



80.7885, 0.1856, 0.2551



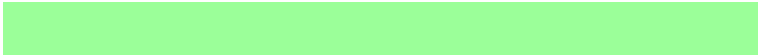
80.7885, 0.3035, 0.2366



80.7885, 0.4583, 0.3772

Rectangle

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



80.7885, 0.3080, 0.4522



80.7885, 0.2113, 0.3410



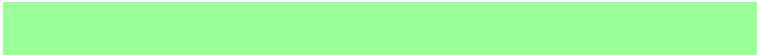
80.7885, 0.3035, 0.2366



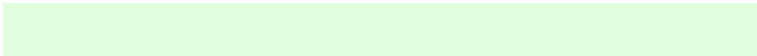
80.7885, 0.4221, 0.3054

Sweetspot

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



80.7875, 0.3080, 0.4522



92.9288, 0.3116, 0.3605



92.9313, 0.3740, 0.4255



19.7409, 0.3115, 0.3643



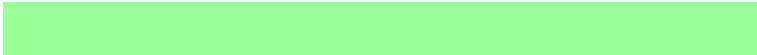
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

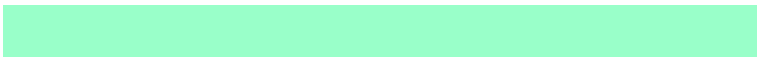
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7875, 0.3080, 0.4522



78.3486, 0.3067, 0.4812



82.4941, 0.2833, 0.3934



20.1847, 0.3119, 0.3536



37.3944, 0.3004, 0.5997



3.6465, 0.3013, 0.5989

Inverse Universe

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



50.9036, 0.3157, 0.2297



44.7040, 0.3161, 0.2117



48.5772, 0.3596, 0.2732



18.2816, 0.3135, 0.3056



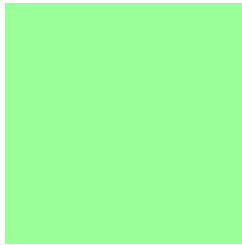
14.4118, 0.3161, 0.1515



1.4087, 0.3167, 0.1518

Previews

White Background



This preview shows how the Yxy color 80.7885, 0.3080, 0.4522 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 80.7885, 0.3080, 0.4522 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

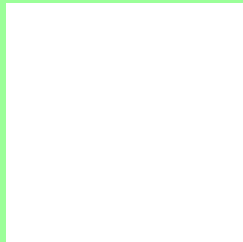
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7885, 0.3080, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 80.7885, 0.3080, 0.4522.

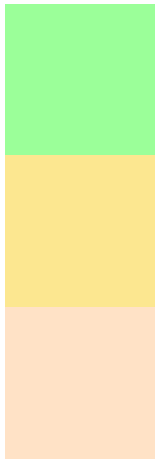


This preview shows how white text looks on a background with the Yxy color 80.7885, 0.3080, 0.4522.

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

80.7885, 0.3080, 0.4522

Protanopia

79.8609, 0.3851, 0.4170

Deuteranopia

79.7299, 0.3525, 0.3575



Tritanopia

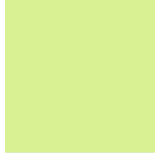
80.4873, 0.2737, 0.3127

Trichromacy



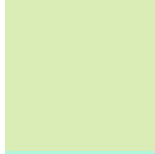
Original Color

80.7885, 0.3080, 0.4522



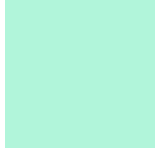
Protanomaly

79.1785, 0.3541, 0.4311



Deuteranomaly

79.0058, 0.3349, 0.3894



Tritanomaly

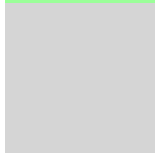
79.7139, 0.2864, 0.3598

Monochromacy



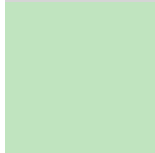
Original Color

80.7885, 0.3080, 0.4522



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.4549, 0.3114, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7885, 0.3080, 0.4522 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 80.7885, 0.3080, 0.4522 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, 153) }
```

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

```
.border{ border-color:rgb(155, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7885, 0.3080, 0.4522 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, 153) }
```

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

```
.background{ background-color: rgb(155,  
255, 153) }
```

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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