

Converting Colors

$Yxy(80.0329, 0.3249, 0.4905)$

Have a look what the booklet for
Yxy(80.0329, 0.3249, 0.4905)
contains.

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Color

Yxy(80.0200, 0.3249, 0.4906)

Conversions

Conversions Part 1

Format	Color
Hex	9DFF77
RGB	157, 255, 119
RGB Percent	62%, 100%, 47%
CMY	0.3843, 0.0000, 0.5335
CMYK	0.38, 0.00, 0.53, 0.00
HSL	103°, 100%, 73%
HSV	103°, 53%, 100%
XYZ	52.9933, 80.0200, 30.0931
YIQ	210.1940, -14.7520, -63.0720

Conversions

Conversions Part 2

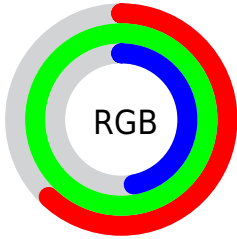
Format	Color
RYB	119, 255, 217
Decimal	10354551
CIELab	91.69, -52.67, 55.40
CIELCh	92, 76.444, 133.552
Yxy	80.0200, 0.3249, 0.4906
Android (android.graphics.Color)	4288544631 (0xFF9DFF77)
YUV	210.1940, -44.9586, -46.6511
Hunter-Lab	89.4539, -50.7994, 42.6720

Details

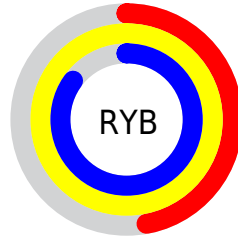
The Yxy color **80.0200, 0.3249, 0.4906** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **35.1512, 0.2848, 0.1880**, and the grayscale version is **64.8892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1749, 0.3346, 0.4160**, and **43.4225, 0.3218, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **77.7763, 0.3243, 0.5218**, and if you desaturate by 10%, it is **82.7053, 0.3242, 0.4576**.

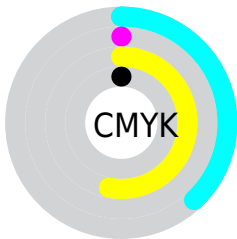
Distribution



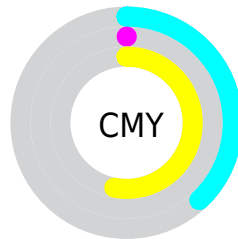
- Red (62%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0200, 0.3249, 0.4906 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 80.0200, 0.3249, 0.4906 by changing the saturation by 10% instead.


 80.0200, 0.3249,
0.4906


 80.0200, 0.3249,
0.4906


495.0002, 0.3237,
0.4125


 59.7348, 0.3238,
0.5087


 133.3939, 0.3255,
0.4631

 43.2049, 0.3218,
0.5311


 167.2513, 0.3255,
0.4525

 30.0459, 0.3181,
0.5592


 206.4016, 0.3253,
0.4434

 19.8735, 0.3112,
0.5949

251.2292, 0.3250,
0.4356

 12.3031, 0.2983,
0.6410

302.1185, 0.3247,
0.4287

 6.9504, 0.2811,
0.7189


359.4538, 0.3244,


 3.4311, 0.2268,


0.4226

0.7732

423.6196, 0.3241,
0.4173


 1.3607, 0.0000,
1.0000


 0.1875, 0.0000,
1.0000


 80.0200, 0.3249,
0.4906

 80.0200, 0.3249,
0.4906


 77.7763, 0.3243,
0.5218


 82.7053, 0.3242,
0.4576


 75.9491, 0.3224,
0.5491


 85.8565, 0.3224,
0.4246


 74.5093, 0.3190,
0.5706

 89.4951, 0.3199,
0.3931

 73.4235, 0.3145,
0.5850

 93.6416, 0.3170,
0.3638

 72.8712, 0.3113,
0.5910

 98.3150, 0.3138,
0.3373

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.



80.0200, 0.4062, 0.4809



80.0200, 0.3249, 0.4906



80.0200, 0.2448, 0.4314

Triad

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



80.0200, 0.3249, 0.4906



80.0200, 0.1724, 0.2093



80.0200, 0.4515, 0.3042

Complementary

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



80.0200, 0.3249, 0.4906



35.1512, 0.2848, 0.1880

Split Complementary

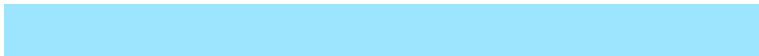
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0200, 0.3697, 0.2505



80.0200, 0.3249, 0.4906



80.0200, 0.2107, 0.1979

Square

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



80.0200, 0.3249, 0.4906



80.0200, 0.1642, 0.2530



80.0200, 0.2795, 0.2130



80.0200, 0.4877, 0.3659

Rectangle

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



80.0200, 0.3249, 0.4906



80.0200, 0.2032, 0.3664



80.0200, 0.2795, 0.2130



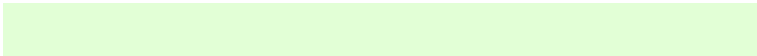
80.0200, 0.4277, 0.2851

Sweetspot

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



80.0197, 0.3249, 0.4906



92.4909, 0.3178, 0.3713



71.9373, 0.4101, 0.4260



19.6112, 0.3184, 0.3773



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.



80.0197, 0.3249, 0.4906



77.6445, 0.3243, 0.5237



77.5916, 0.2920, 0.4648



20.4139, 0.3158, 0.3533



38.1407, 0.3123, 0.5902



3.7656, 0.3203, 0.5839

Inverse Universe

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



35.1512, 0.2848, 0.1880



28.4482, 0.2769, 0.1633



39.9105, 0.3465, 0.2249



18.0301, 0.3093, 0.3053



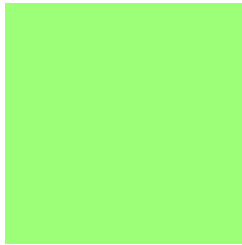
9.1563, 0.2510, 0.1156



0.9464, 0.2592, 0.1202

Previews

White Background



This preview shows how the Yxy color 80.0200, 0.3249, 0.4906 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 80.0200, 0.3249, 0.4906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

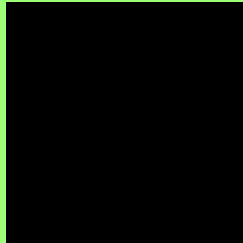
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

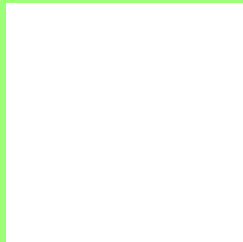
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0200, 0.3249, 0.4906

Background



This preview shows how black text looks on a background with the Yxy color 80.0200, 0.3249, 0.4906.

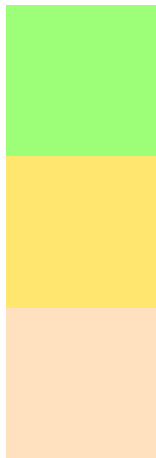


This preview shows how white text looks on a background with the Yxy color 80.0200, 0.3249, 0.4906.

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

80.0200, 0.3249, 0.4906

Protanopia

78.8122, 0.4063, 0.4445

Deuteranopia

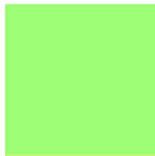
78.8720, 0.3577, 0.3637



Tritanopia

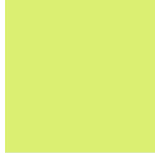
79.1879, 0.2730, 0.3105

Trichromacy



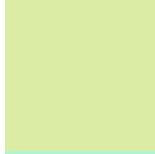
Original Color

80.0200, 0.3249, 0.4906



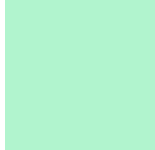
Protanomaly

78.0080, 0.3740, 0.4622



Deuteranomaly

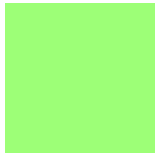
77.7676, 0.3457, 0.4074



Tritanomaly

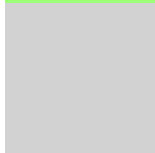
78.5047, 0.2928, 0.3731

Monochromacy



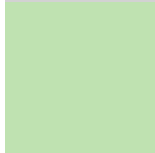
Original Color

80.0200, 0.3249, 0.4906



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.6434, 0.3197, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0200, 0.3249, 0.4906 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(157, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 119)  
}
```

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(157, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 119) }
```

Border

The CSS property to change the border of an element to Yxy 80.0200, 0.3249, 0.4906 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(157, 255, 119) }
```

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

```
.border{ border-color:rgb(157, 255, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0200, 0.3249, 0.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 119) }
```

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

```
.background{ background-color: rgb(157,  
255, 119) }
```

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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