

Converting Colors

Yxy(80.1666, 0.3137, 0.4526)

Have a look what the booklet for
Yxy(80.1666, 0.3137, 0.4526)
contains.

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Color

Yxy(80.1339, 0.3136, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	A2FD96
RGB	162, 253, 150
RGB Percent	64%, 99%, 59%
CMY	0.3649, 0.0078, 0.4118
CMYK	0.36, 0.00, 0.41, 0.01
HSL	113°, 96%, 79%
HSV	113°, 41%, 99%
XYZ	55.5236, 80.1339, 41.3948
YIQ	214.0490, -21.1730, -51.3250

Conversions

Conversions Part 2

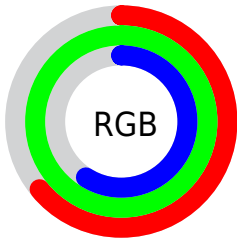
Format	Color
RYB	150, 253, 241
Decimal	10681750
CIELab	91.74, -46.44, 40.88
CIElCh	92, 61.873, 138.644
Yxy	80.1339, 0.3136, 0.4526
Android (android.graphics.Color)	4288871830 (0xFFA2FD96)
YUV	214.0490, -31.5762, -45.6470
Hunter-Lab	89.5175, -45.9403, 35.2453

Details

The Yxy color **80.1339, 0.3136, 0.4526** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.6173, 0.3074, 0.2254**, and the grayscale version is **67.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1434, 0.3195, 0.3817**, and **43.4071, 0.3112, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **77.2714, 0.3128, 0.4877**, and if you desaturate by 10%, it is **83.5956, 0.3139, 0.4182**.

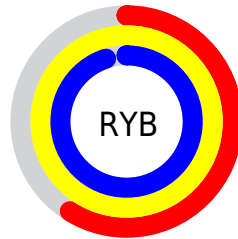
Distribution



Red (64%)

Green (99%)

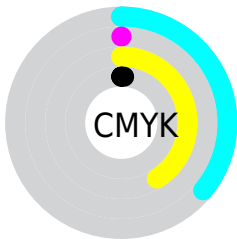
Blue (59%)



Red (59%)

Yellow (99%)

Blue (95%)

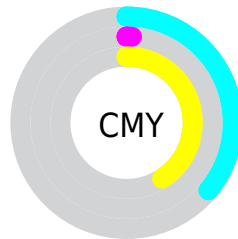


Cyan (36%)

Magenta (0%)

Yellow (41%)

Black (1%)



Cyan (36%)


Magenta (1%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1339, 0.3136, 0.4526 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 80.1339, 0.3136, 0.4526 by changing the saturation by 10% instead.


 80.1339, 0.3136,
0.4526

 80.1339, 0.3136,
0.4526


495.3840, 0.3156,
0.3928

 59.8285, 0.3125,
0.4667


 133.5540, 0.3148,
0.4314

 43.2805, 0.3107,
0.4843


 167.4375, 0.3151,
0.4233

 30.1052, 0.3079,
0.5068


206.6158, 0.3153,
0.4164

 19.9185, 0.3032,
0.5364

251.4734, 0.3155,
0.4104

 12.3358, 0.2949,
0.5766

302.3946, 0.3156,
0.4052

 6.9728, 0.2793,
0.6328


359.7639, 0.3156,


 3.4451, 0.2575,


0.4006


0.7425


423.9655, 0.3156,
0.3965

 1.3683, 0.0694,
0.9306


 0.1932, 0.0000,
1.0000

 80.1339, 0.3136,
0.4526


 80.1339, 0.3136,
0.4526


 77.2714, 0.3128,
0.4877

 83.5956, 0.3139,
0.4182


 74.9645, 0.3114,
0.5215

 87.6772, 0.3138,
0.3860

 73.1796, 0.3095,
0.5514

 92.4108, 0.3134,
0.3568

 71.8753, 0.3071,
0.5750

 97.8234, 0.3128,
0.3307

■ 71.0038, 0.3045,
0.5906

98.7385, 0.3128,
0.3271

■ 70.5250, 0.3023,
0.5982

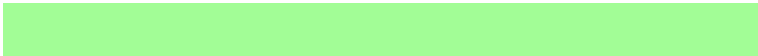
Harmonies

Analogous

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



80.1339, 0.3821, 0.4580



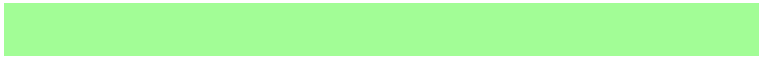
80.1339, 0.3136, 0.4526



80.1339, 0.2485, 0.3979

Triad

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



80.1339, 0.3136, 0.4526



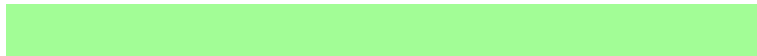
80.1339, 0.1986, 0.2263



80.1339, 0.4332, 0.3190

Complementary

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



80.1339, 0.3136, 0.4526



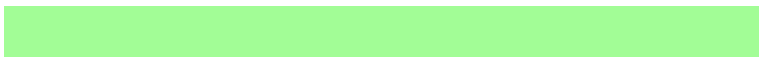
47.6173, 0.3074, 0.2254

Split Complementary

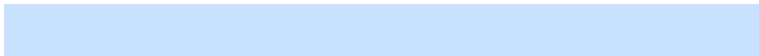
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1339, 0.3722, 0.2709



80.1339, 0.3136, 0.4526



80.1339, 0.2364, 0.2195

Square

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



80.1339, 0.3136, 0.4526



80.1339, 0.1874, 0.2599



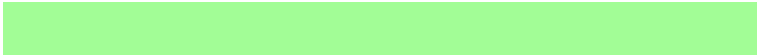
80.1339, 0.2982, 0.2357



80.1339, 0.4562, 0.3726

Rectangle

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



80.1339, 0.3136, 0.4526



80.1339, 0.2158, 0.3469



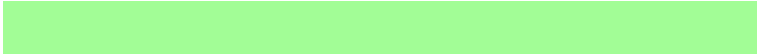
80.1339, 0.2982, 0.2357



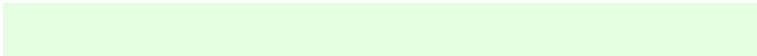
80.1339, 0.4161, 0.3020

Sweetspot

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



80.1373, 0.3136, 0.4526



93.4095, 0.3134, 0.3604



85.9946, 0.3782, 0.4198



19.8529, 0.3135, 0.3641



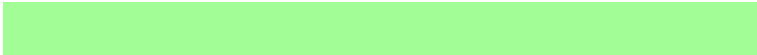
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

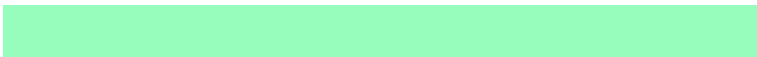
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1373, 0.3136, 0.4526



79.1119, 0.3130, 0.4818



80.4382, 0.2871, 0.4056



20.2690, 0.3133, 0.3535



37.5435, 0.3028, 0.5977



3.6864, 0.3079, 0.5937

Inverse Universe

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



47.6173, 0.3074, 0.2254



41.8117, 0.3056, 0.2056



47.5292, 0.3525, 0.2638



18.1871, 0.3119, 0.3055



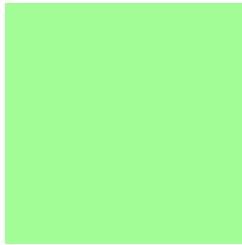
12.2141, 0.2918, 0.1381



1.2183, 0.2953, 0.1400

Previews

White Background



This preview shows how the Yxy color 80.1339, 0.3136, 0.4526 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 80.1339, 0.3136, 0.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

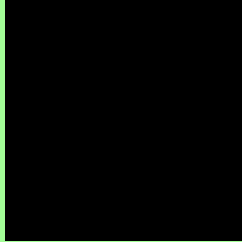
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1339, 0.3136, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 80.1339, 0.3136, 0.4526.

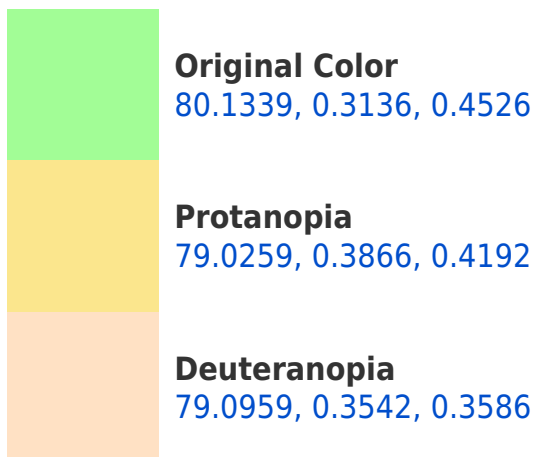


This preview shows how white text looks on a background with the Yxy color 80.1339, 0.3136, 0.4526.

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





Tritanopia

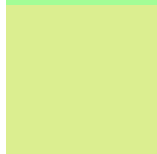
80.0294, 0.2742, 0.3117

Trichromacy



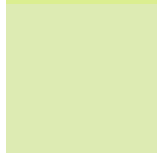
Original Color

80.1339, 0.3136, 0.4526



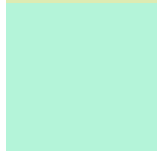
Protanomaly

78.2228, 0.3579, 0.4319



Deuteranomaly

78.0435, 0.3386, 0.3905



Tritanomaly

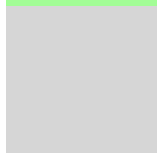
79.4144, 0.2886, 0.3598

Monochromacy



Original Color

80.1339, 0.3136, 0.4526



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.8505, 0.3134, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1339, 0.3136, 0.4526 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(162, 253, 150)` looks like.

```
.text, #text, p{  
    color:rgb(162, 253, 150)  
}
```

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(162, 253, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 253, 150) }
```

Border

The CSS property to change the border of an element to Yxy 80.1339, 0.3136, 0.4526 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(162, 253, 150) }
```

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

```
.border{ border-color:rgb(162, 253, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 253, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 253, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 253, 150);  
box-shadow:4px 4px 4px 4px rgb(162, 253,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1339, 0.3136, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 253, 150) }
```

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

```
.background{ background-color: rgb(162,  
253, 150) }
```

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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