

Converting Colors

Yxy(80.4416, 0.3178, 0.4564)

Have a look what the booklet for
Yxy(80.4416, 0.3178, 0.4564)
contains.

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Color

Yxy(80.4329, 0.3180, 0.4564)

Conversions

Conversions Part 1

Format	Color
Hex	A6FD92
RGB	166, 253, 146
RGB Percent	65%, 99%, 57%
CMY	0.3489, 0.0078, 0.4275
CMYK	0.34, 0.00, 0.42, 0.01
HSL	109°, 96%, 78%
HSV	109°, 42%, 99%
XYZ	56.0422, 80.4329, 39.7582
YIQ	214.7890, -17.5050, -51.7210

Conversions

Conversions Part 2

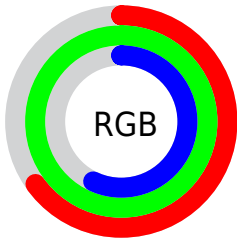
Format	Color
RYB	146, 253, 233
Decimal	10943890
CIELab	91.88, -45.72, 43.05
CIELCh	92, 62.799, 136.726
Yxy	80.4329, 0.3180, 0.4564
Android (android.graphics.Color)	4289133970 (0xFFA6FD92)
YUV	214.7890, -33.9130, -42.7880
Hunter-Lab	89.6844, -45.4062, 36.4951

Details

The Yxy color **80.4329, 0.3180, 0.4564** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.9624, 0.3006, 0.2194**, and the grayscale version is **68.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5843, 0.3244, 0.3856**, and **43.5852, 0.3162, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **77.6864, 0.3178, 0.4906**, and if you desaturate by 10%, it is **83.7158, 0.3175, 0.4225**.

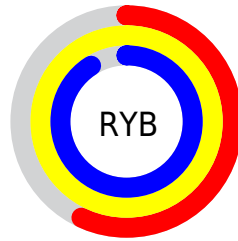
Distribution



Red (65%)

Green (99%)

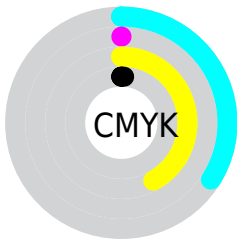
Blue (57%)



Red (57%)

Yellow (99%)

Blue (91%)

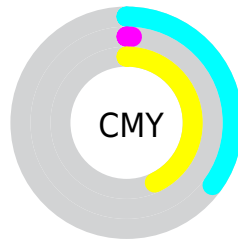


Cyan (34%)

Magenta (0%)

Yellow (42%)

Black (1%)



Cyan (35%)


Magenta (1%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4329, 0.3180, 0.4564 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 80.4329, 0.3180, 0.4564 by changing the saturation by 10% instead.


 80.4329, 0.3180,
0.4564


 80.4329, 0.3180,
0.4564


496.3905, 0.3182,
0.3949

 60.0747, 0.3172,
0.4709

 133.9742, 0.3186,
0.4347

 43.4788, 0.3159,
0.4888


 167.9260, 0.3187,
0.4263

 30.2610, 0.3135,
0.5118


207.1779, 0.3187,
0.4192

 20.0368, 0.3093,
0.5417

252.1141, 0.3186,
0.4130

 12.4218, 0.3014,
0.5821

303.1190, 0.3185,
0.4076

 7.0316, 0.2862,
0.6382


360.5772, 0.3184,


 3.4819, 0.2618,

0.4029

0.7382

424.8729, 0.3183,
0.3987


 1.3882, 0.0879,
0.9121


 0.2080, 0.0000,
1.0000


 80.4329, 0.3180,
0.4564


 80.4329, 0.3180,
0.4564

 77.6864, 0.3178,
0.4906


 83.7158, 0.3175,
0.4225

 75.4375, 0.3167,
0.5233

 87.5510, 0.3163,
0.3905

 73.6583, 0.3146,
0.5519

 91.9666, 0.3149,
0.3611

 72.3140, 0.3116,
0.5744

 96.9854, 0.3131,
0.3346

■ 71.3642, 0.3080,
0.5892

98.7317, 0.3128,
0.3271

■ 70.8651, 0.3053,
0.5958

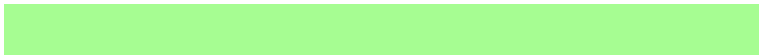
Harmonies

Analogous

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



80.4329, 0.3869, 0.4585



80.4329, 0.3180, 0.4564



80.4329, 0.2514, 0.4036

Triad

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



80.4329, 0.3180, 0.4564



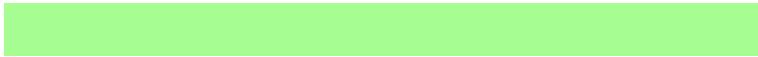
80.4329, 0.1957, 0.2263



80.4329, 0.4318, 0.3154

Complementary

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



80.4329, 0.3180, 0.4564



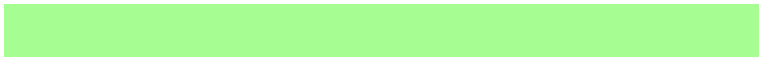
44.9624, 0.3006, 0.2194

Split Complementary

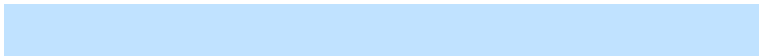
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4329, 0.3682, 0.2675



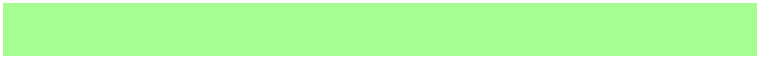
80.4329, 0.3180, 0.4564



80.4329, 0.2322, 0.2179

Square

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



80.4329, 0.3180, 0.4564



80.4329, 0.1861, 0.2621



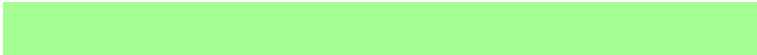
80.4329, 0.2934, 0.2330



80.4329, 0.4580, 0.3695

Rectangle

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



80.4329, 0.3180, 0.4564



80.4329, 0.2172, 0.3521



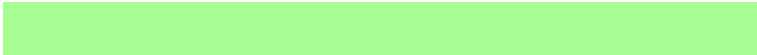
80.4329, 0.2934, 0.2330



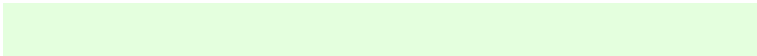
80.4329, 0.4137, 0.2984

Sweetspot

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



80.4363, 0.3180, 0.4564



93.2893, 0.3150, 0.3630



80.4453, 0.3843, 0.4154



19.7462, 0.3153, 0.3693



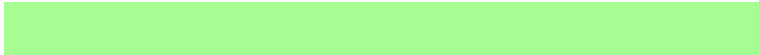
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

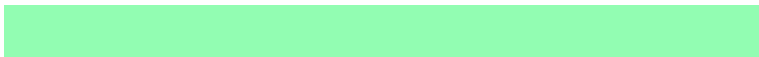
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4363, 0.3180, 0.4564



79.4175, 0.3179, 0.4863



79.5794, 0.2908, 0.4205



20.3317, 0.3144, 0.3534



37.7425, 0.3060, 0.5952



3.7164, 0.3127, 0.5899

Inverse Universe

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



44.9624, 0.3006, 0.2194



38.8048, 0.2970, 0.1979



46.6512, 0.3460, 0.2529



18.1183, 0.3108, 0.3054



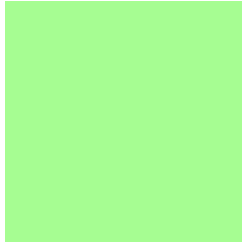
10.7844, 0.2738, 0.1282



1.0924, 0.2795, 0.1313

Previews

White Background



This preview shows how the Yxy color 80.4329, 0.3180, 0.4564 looks on a white background.

Color Contrast Check

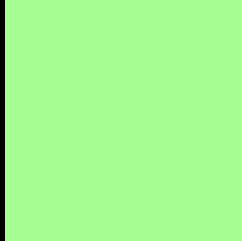
Large Text (above 18pt) WCAG AA × Fail

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 80.4329, 0.3180, 0.4564 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 80.4329, 0.3180, 0.4564

Background



This preview shows how black text looks on a background with the Yxy color 80.4329, 0.3180, 0.4564.



This preview shows how white text looks on a background with the Yxy color 80.4329, 0.3180, 0.4564.

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

80.4329, 0.3180, 0.4564

Protanopia

79.6823, 0.3888, 0.4226

Deuteranopia

79.6382, 0.3539, 0.3595



Tritanopia

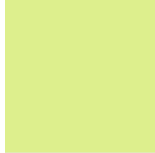
79.7065, 0.2752, 0.3106

Trichromacy



Original Color

80.4329, 0.3180, 0.4564



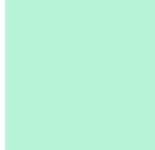
Protanomaly

79.0282, 0.3608, 0.4354



Deuteranomaly

78.8932, 0.3404, 0.3923



Tritanomaly

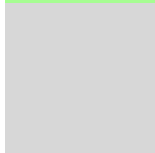
79.0748, 0.2914, 0.3609

Monochromacy



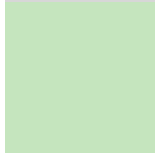
Original Color

80.4329, 0.3180, 0.4564



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.6266, 0.3154, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4329, 0.3180, 0.4564 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(166, 253, 146)` looks like.

```
.text, #text, p{  
    color:rgb(166, 253, 146)  
}
```

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(166, 253, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 253, 146) }
```

Border

The CSS property to change the border of an element to Yxy 80.4329, 0.3180, 0.4564 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(166, 253, 146) }
```

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

```
.border{ border-color:rgb(166, 253, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 253, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 253, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 253, 146);  
box-shadow:4px 4px 4px 4px rgb(166, 253,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4329, 0.3180, 0.4564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 253, 146) }
```

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

```
.background{ background-color: rgb(166,  
253, 146) }
```

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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