

Converting Colors

Yxy(80.6454, 0.3118, 0.4473)

Have a look what the booklet for
Yxy(80.6454, 0.3118, 0.4473)
contains.

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Color

Yxy(80.4036, 0.3117, 0.4464)

Conversions

Conversions Part 1

Format	Color
Hex	A3FD9B
RGB	163, 253, 155
RGB Percent	64%, 99%, 61%
CMY	0.3609, 0.0078, 0.3922
CMYK	0.36, 0.00, 0.39, 0.01
HSL	115°, 96%, 80%
HSV	115°, 39%, 99%
XYZ	56.1420, 80.4036, 43.5700
YIQ	214.9180, -22.1820, -49.5580

Conversions

Conversions Part 2

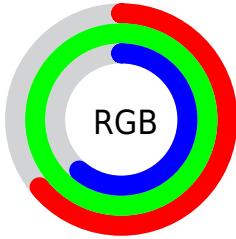
Format	Color
RYB	155, 253, 245
Decimal	10747291
CIELab	91.87, -45.42, 38.60
CIELCh	92, 59.601, 139.643
Yxy	80.4036, 0.3117, 0.4464
Android (android.graphics.Color)	4288937371 (0xFFA3FD9B)
YUV	214.9180, -29.5396, -45.5321
Hunter-Lab	89.6681, -45.1585, 33.9585

Details

The Yxy color **80.4036, 0.3117, 0.4464** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9540, 0.3106, 0.2311**, and the grayscale version is **68.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5453, 0.3173, 0.3762**, and **43.5650, 0.3090, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **77.4124, 0.3107, 0.4819**, and if you desaturate by 10%, it is **84.0305, 0.3124, 0.4120**.

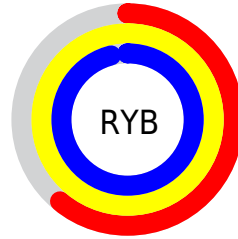
Distribution



Red (64%)

Green (99%)

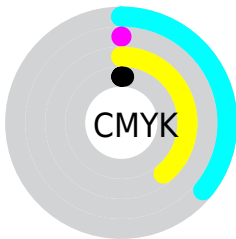
Blue (61%)



Red (61%)

Yellow (99%)

Blue (96%)

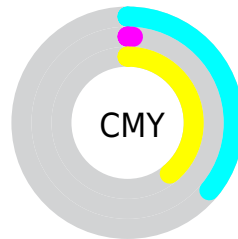


Cyan (36%)

Magenta (0%)

Yellow (39%)

Black (1%)



Cyan (36%)


Magenta (1%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4036, 0.3117, 0.4464 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 80.4036, 0.3117, 0.4464 by changing the saturation by 10% instead.


 80.4036, 0.3117,
0.4464


 80.4036, 0.3117,
0.4464

496.2920, 0.3143,
0.3897

 60.0505, 0.3105,
0.4598


 133.9330, 0.3131,
0.4263

 43.4594, 0.3087,
0.4765


 167.8782, 0.3135,
0.4186

 30.2457, 0.3060,
0.4979


207.1228, 0.3137,
0.4121

 20.0252, 0.3014,
0.5261

252.0513, 0.3140,
0.4064

 12.4133, 0.2936,
0.5646

303.0481, 0.3141,
0.4014

 7.0258, 0.2791,
0.6192


360.4975, 0.3142,


 3.4783, 0.2633,


0.3970


0.7367

424.7840, 0.3143,
0.3932


 1.3862, 0.0916,
0.9084


 0.2065, 0.0000,
1.0000


 80.4036, 0.3117,
0.4464


 80.4036, 0.3117,
0.4464

 77.4124, 0.3107,
0.4819

 84.0305, 0.3124,
0.4120

 75.0108, 0.3092,
0.5165

 88.3159, 0.3127,
0.3801

 73.1626, 0.3075,
0.5476

 93.2941, 0.3128,
0.3514

 71.8232, 0.3054,
0.5725

 98.7364, 0.3128,
0.3271

■ 70.9414, 0.3033,
0.5895

■ 70.4518, 0.3015,
0.5982

■ 70.4114, 0.3014,
0.5989

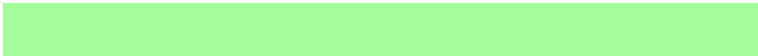
Harmonies

Analogous

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



80.4036, 0.3780, 0.4539



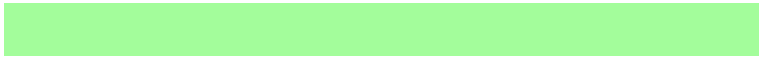
80.4036, 0.3117, 0.4464



80.4036, 0.2492, 0.3928

Triad

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



80.4036, 0.3117, 0.4464



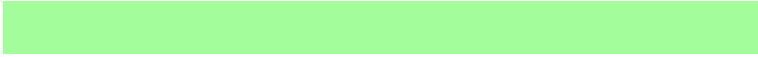
80.4036, 0.2031, 0.2292



80.4036, 0.4300, 0.3214

Complementary

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



80.4036, 0.3117, 0.4464



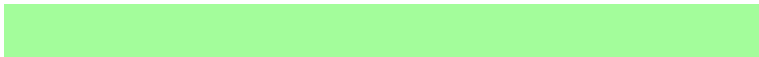
49.9540, 0.3106, 0.2311

Split Complementary

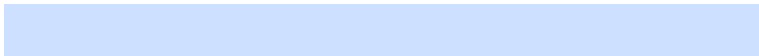
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4036, 0.3723, 0.2743



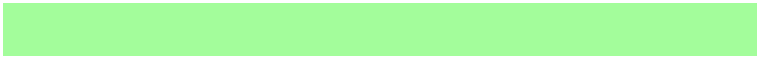
80.4036, 0.3117, 0.4464



80.4036, 0.2407, 0.2232

Square

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



80.4036, 0.3117, 0.4464



80.4036, 0.1913, 0.2611



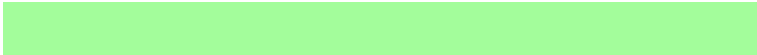
80.4036, 0.3012, 0.2396



80.4036, 0.4509, 0.3735

Rectangle

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



80.4036, 0.3117, 0.4464



80.4036, 0.2180, 0.3439



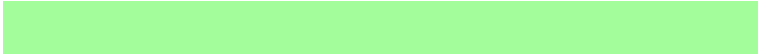
80.4036, 0.3012, 0.2396



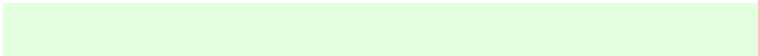
80.4036, 0.4140, 0.3048

Sweetspot

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



80.4070, 0.3117, 0.4464



93.2366, 0.3128, 0.3604



88.4601, 0.3738, 0.4184



19.8126, 0.3128, 0.3641



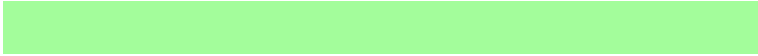
0.0000, 0.0000, 0.0000



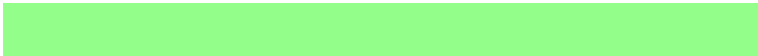
21.4041, 0.3127, 0.3290

Same Dimension

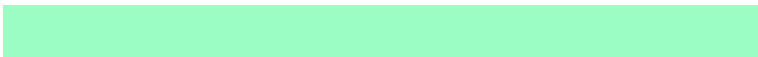
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4070, 0.3117, 0.4464



79.5720, 0.3110, 0.4722



81.2032, 0.2865, 0.3971



20.2387, 0.3128, 0.3535



37.4771, 0.3018, 0.5986



3.6721, 0.3056, 0.5956

Inverse Universe

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



49.9540, 0.3106, 0.2311



44.8054, 0.3098, 0.2138



49.0895, 0.3529, 0.2701



18.2208, 0.3125, 0.3055



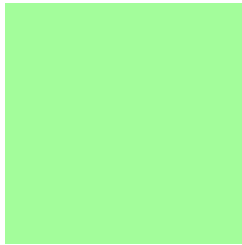
12.9663, 0.3005, 0.1429



1.2838, 0.3030, 0.1443

Previews

White Background



This preview shows how the Yxy color 80.4036, 0.3117, 0.4464 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 80.4036, 0.3117, 0.4464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

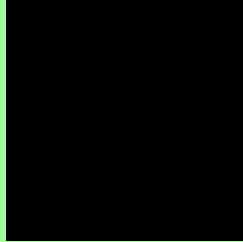
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

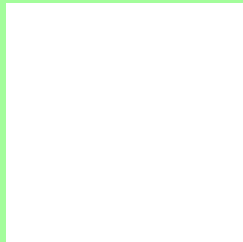
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4036, 0.3117, 0.4464

Background



This preview shows how black text looks on a background with the Yxy color 80.4036, 0.3117, 0.4464.

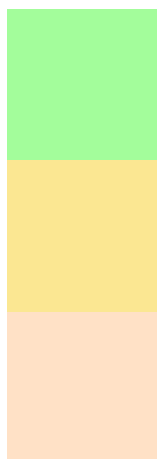


This preview shows how white text looks on a background with the Yxy color 80.4036, 0.3117, 0.4464.

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

80.4036, 0.3117, 0.4464

Protanopia

79.7364, 0.3831, 0.4153

Deuteranopia

79.1876, 0.3528, 0.3565



Tritanopia

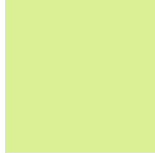
80.1595, 0.2747, 0.3117

Trichromacy



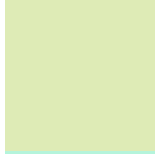
Original Color

80.4036, 0.3117, 0.4464



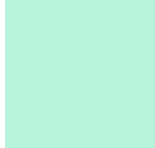
Protanomaly

78.9630, 0.3547, 0.4275



Deuteranomaly

78.3237, 0.3374, 0.3870



Tritanomaly

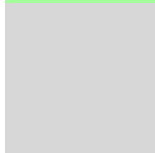
79.6396, 0.2881, 0.3574

Monochromacy



Original Color

80.4036, 0.3117, 0.4464



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.6246, 0.3128, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4036, 0.3117, 0.4464 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(163, 253, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 253, 155)  
}
```

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(163, 253, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 253, 155) }
```

Border

The CSS property to change the border of an element to Yxy 80.4036, 0.3117, 0.4464 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(163, 253, 155) }
```

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

```
.border{ border-color:rgb(163, 253, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 253, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 253, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 253, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 253,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4036, 0.3117, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 253, 155) }
```

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

```
.background{ background-color: rgb(163,  
253, 155) }
```

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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