

Converting Colors

Yxy(153.6878, 0.3067, 0.5188)

Have a look what the booklet for
Yxy(153.6878, 0.3067, 0.5188)
contains.

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Color

Yxy(80.4344, 0.3113, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	9AFF91
RGB	154, 255, 145
RGB Percent	60%, 100%, 57%
CMY	0.3961, 0.0000, 0.4312
CMYK	0.40, 0.00, 0.43, 0.00
HSL	115°, 100%, 78%
HSV	115°, 43%, 100%
XYZ	54.1975, 80.4344, 39.4686
YIQ	212.2610, -24.8860, -55.6220

Conversions

Conversions Part 2

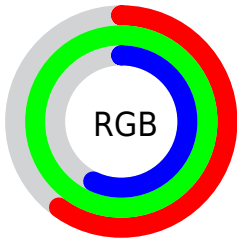
Format	Color
RYB	145, 255, 246
Decimal	10157969
CIELab	91.88, -50.38, 43.40
CIELCh	92, 66.492, 139.258
Yxy	80.4344, 0.3113, 0.4620
Android (android.graphics.Color)	4288348049 (0xFF9AFF91)
YUV	212.2610, -33.1597, -51.0949
Hunter-Lab	89.6852, -49.0802, 36.6874

Details

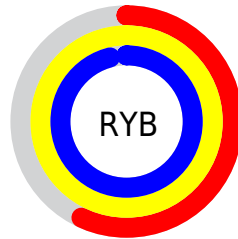
The Yxy color **80.4344, 0.3113, 0.4620** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0810, 0.3101, 0.2205**, and the grayscale version is **66.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6872, 0.3173, 0.3881**, and **43.7023, 0.3078, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **77.6555, 0.3101, 0.4974**, and if you desaturate by 10%, it is **83.8381, 0.3121, 0.4269**.

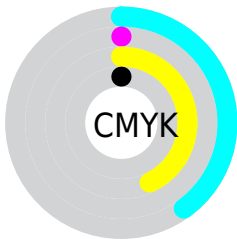
Distribution



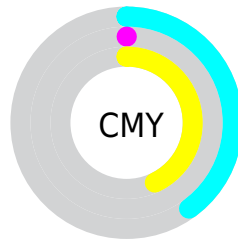
- Red (60%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4344, 0.3113, 0.4620 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 80.4344, 0.3113, 0.4620 by changing the saturation by 10% instead.


 80.4344, 0.3113,
0.4620

 80.4344, 0.3113,
0.4620


496.3956, 0.3147,
0.3975

 60.0759, 0.3097,
0.4772


 133.9763, 0.3131,
0.4392

 43.4798, 0.3074,
0.4963


 167.9285, 0.3136,
0.4304

 30.2618, 0.3038,
0.5205


207.1807, 0.3140,
0.4229

 20.0374, 0.2978,
0.5524

252.1173, 0.3143,
0.4164

 12.4222, 0.2876,
0.5954

303.1227, 0.3144,
0.4108

 7.0319, 0.2691,
0.6555


360.5812, 0.3146,


 3.4821, 0.2391,

0.4058

0.7609


424.8774, 0.3147,
0.4014


 1.3883, 0.0143,
0.9857


 0.2081, 0.0000,
1.0000


 80.4344, 0.3113,
0.4620


 80.4344, 0.3113,
0.4620

 77.6555, 0.3101,
0.4974


 83.8381, 0.3121,
0.4269


 75.4635, 0.3085,
0.5308

 87.9017, 0.3126,
0.3938

 73.8159, 0.3066,
0.5595

 92.6574, 0.3128,
0.3636

 72.6646, 0.3045,
0.5811

 98.1355, 0.3128,
0.3367

■ 71.9532, 0.3025,
0.5942

100.0000, 0.3127,
0.3290

■ 71.6769, 0.3014,
0.5989

Harmonies

Analogous

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



80.4344, 0.3844, 0.4675



80.4344, 0.3113, 0.4620



80.4344, 0.2425, 0.4018

Triad

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



80.4344, 0.3113, 0.4620



80.4344, 0.1921, 0.2192



80.4344, 0.4430, 0.3188

Complementary

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



80.4344, 0.3113, 0.4620



47.0810, 0.3101, 0.2205

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.



80.4344, 0.3779, 0.2680



80.4344, 0.3113, 0.4620



80.4344, 0.2324, 0.2129

Square

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



80.4344, 0.3113, 0.4620



80.4344, 0.1797, 0.2536



80.4344, 0.2984, 0.2306



80.4344, 0.4662, 0.3753

Rectangle

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



80.4344, 0.3113, 0.4620



80.4344, 0.2084, 0.3460



80.4344, 0.2984, 0.2306



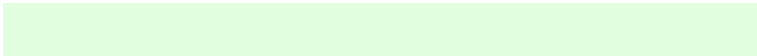
80.4344, 0.4249, 0.3008

Sweetspot

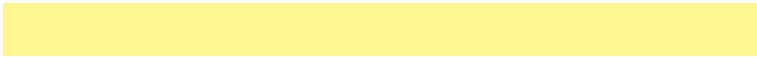
The Sweet Spot groups the original color and five complimentary colors.



80.4343, 0.3113, 0.4620



92.7213, 0.3128, 0.3633



89.1171, 0.3807, 0.4280



19.6080, 0.3128, 0.3696



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

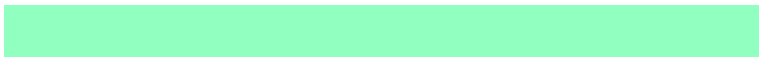
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4343, 0.3113, 0.4620



77.9380, 0.3103, 0.4935



81.2977, 0.2841, 0.4064



20.2388, 0.3128, 0.3535



37.4772, 0.3018, 0.5986



3.6722, 0.3056, 0.5956

Inverse Universe

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



47.0810, 0.3101, 0.2205



40.5062, 0.3090, 0.2004



46.1329, 0.3593, 0.2635



18.2207, 0.3125, 0.3055



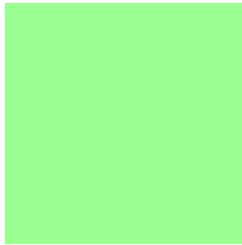
12.9644, 0.3005, 0.1429



1.2837, 0.3030, 0.1443

Previews

White Background



This preview shows how the Yxy color 80.4344, 0.3113, 0.4620 looks on a white background.

Color Contrast Check

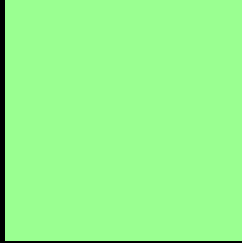
Large Text (above 18pt) WCAG AA × Fail

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 80.4344, 0.3113, 0.4620 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

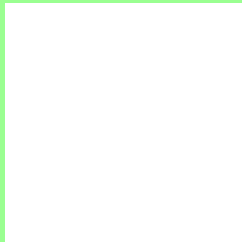
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4344, 0.3113, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 80.4344, 0.3113, 0.4620.

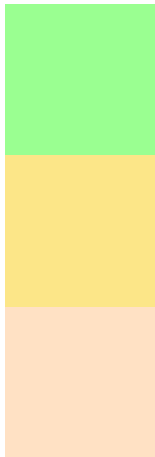


This preview shows how white text looks on a background with the Yxy color 80.4344, 0.3113, 0.4620.

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

80.4344, 0.3113, 0.4620

Protanopia

79.0666, 0.3905, 0.4236

Deuteranopia

79.0959, 0.3542, 0.3586



Tritanopia

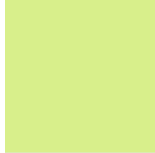
79.7718, 0.2731, 0.3116

Trichromacy



Original Color

80.4344, 0.3113, 0.4620



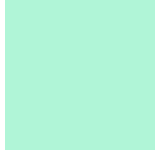
Protanomaly

78.1960, 0.3583, 0.4388



Deuteranomaly

78.0707, 0.3375, 0.3942



Tritanomaly

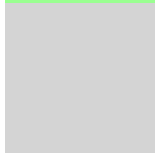
79.4412, 0.2874, 0.3634

Monochromacy



Original Color

80.4344, 0.3113, 0.4620



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1940, 0.3125, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4344, 0.3113, 0.4620 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(154, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 145)  
}
```

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(154, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 80.4344, 0.3113, 0.4620 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(154, 255, 145) }
```

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

```
.border{ border-color:rgb(154, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4344, 0.3113, 0.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 145) }
```

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

```
.background{ background-color: rgb(154,  
255, 145) }
```

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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