

Converting Colors

Yxy(80.8031, 0.3036, 0.4443)

Have a look what the booklet for
Yxy(80.8031, 0.3036, 0.4443)
contains.

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Color

Yxy(80.8304, 0.3035, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	99FFA0
RGB	153, 255, 160
RGB Percent	60%, 100%, 63%
CMY	0.4000, 0.0000, 0.3726
CMYK	0.40, 0.00, 0.37, 0.00
HSL	124°, 100%, 80%
HSV	124°, 40%, 100%
XYZ	55.2399, 80.8304, 45.9392
YIQ	213.6720, -30.2970, -51.1690

Conversions

Conversions Part 2

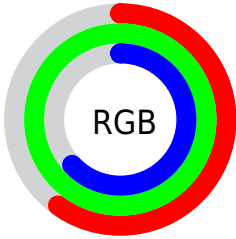
Format	Color
RYB	153, 248, 255
Decimal	10092448
CIELab	92.06, -48.50, 36.30
CIElCh	92, 60.578, 143.186
Yxy	80.8304, 0.3035, 0.4441
Android (android.graphics.Color)	4288282528 (0xFF99FFA0)
YUV	213.6720, -26.4603, -53.2093
Hunter-Lab	89.9057, -47.6611, 32.6386

Details

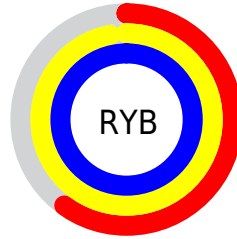
The Yxy color **80.8304, 0.3035, 0.4441** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.8190, 0.3231, 0.2360**, and the grayscale version is **67.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2752, 0.3083, 0.3716**, and **43.9365, 0.2990, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **77.8543, 0.3014, 0.4785**, and if you desaturate by 10%, it is **84.4933, 0.3058, 0.4111**.

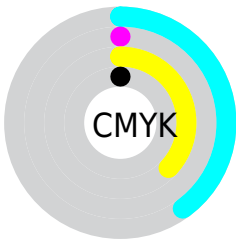
Distribution



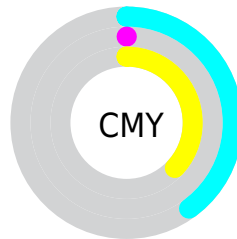
- Red (60%)
- Green (100%)
- Blue (63%)



- Red (60%)
- Yellow (97%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8304, 0.3035, 0.4441 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 80.8304, 0.3035, 0.4441 by changing the saturation by 10% instead.

 80.8304, 0.3035,
0.4441


 80.8304, 0.3035,
0.4441


497.7269, 0.3097,
0.3884

 60.4019, 0.3015,
0.4573


 134.5326, 0.3061,
0.4243

 43.7427, 0.2989,
0.4738


 168.5751, 0.3070,
0.4168

 30.4683, 0.2950,
0.4951


207.9244, 0.3077,
0.4103

 20.1943, 0.2892,
0.5232

252.9650, 0.3082,
0.4047

 12.5364, 0.2798,
0.5618

304.0811, 0.3087,
0.3999

 7.1101, 0.2635,
0.6172

361.6572, 0.3091,

 3.5310, 0.2431,

0.3956

0.7319

426.0777, 0.3095,
0.3918

■ 1.4149, 0.0565,
0.9435

■ 0.2276, 0.0000,
1.0000

■ 80.8304, 0.3035,
0.4441

■ 80.8304, 0.3035,
0.4441

■ 77.8543, 0.3014,
0.4785

■ 84.4933, 0.3058,
0.4111

■ 75.5250, 0.2997,
0.5123

■ 88.8857, 0.3082,
0.3805

■ 73.7935, 0.2986,
0.5432

■ 94.0429, 0.3105,
0.3531

■ 72.6050, 0.2982,
0.5686

99.9988, 0.3127,
0.3290

■ 71.8946, 0.2985,
0.5867

100.0000, 0.3127,
0.3290

■ 71.5620, 0.2991,
0.5969

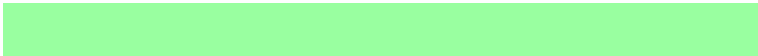
Harmonies

Analogous

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



80.8304, 0.3712, 0.4572



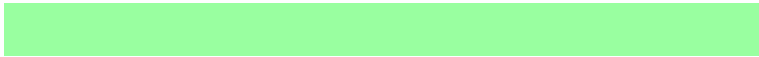
80.8304, 0.3035, 0.4441



80.8304, 0.2419, 0.3853

Triad

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



80.8304, 0.3035, 0.4441



80.8304, 0.2049, 0.2258



80.8304, 0.4365, 0.3273

Complementary

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



80.8304, 0.3035, 0.4441



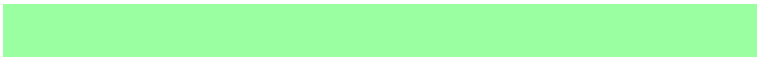
50.8190, 0.3231, 0.2360

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.



80.8304, 0.3814, 0.2787



80.8304, 0.3035, 0.4441



80.8304, 0.2459, 0.2227

Square

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



80.8304, 0.3035, 0.4441



80.8304, 0.1898, 0.2548



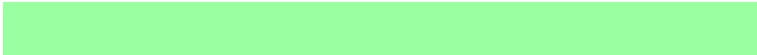
80.8304, 0.3093, 0.2417



80.8304, 0.4525, 0.3801

Rectangle

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



80.8304, 0.3035, 0.4441



80.8304, 0.2123, 0.3353



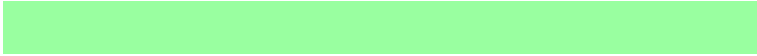
80.8304, 0.3093, 0.2417



80.8304, 0.4217, 0.3102

Sweetspot

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



80.8293, 0.3035, 0.4441



92.9496, 0.3100, 0.3584



93.8127, 0.3681, 0.4301



19.7457, 0.3097, 0.3618



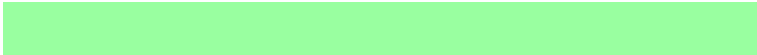
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

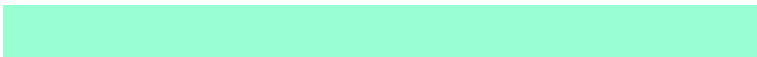
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8293, 0.3035, 0.4441



78.3967, 0.3018, 0.4715



82.9849, 0.2782, 0.3808



20.1883, 0.3106, 0.3519



37.4001, 0.2988, 0.5958



3.6482, 0.2962, 0.5862

Inverse Universe

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



50.8190, 0.3231, 0.2360



44.6174, 0.3255, 0.2190



48.0812, 0.3696, 0.2833



18.2776, 0.3149, 0.3072



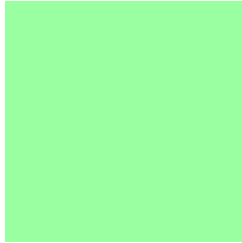
14.3291, 0.3389, 0.1641



1.4014, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 80.8304, 0.3035, 0.4441 looks on a white background.

Color Contrast Check

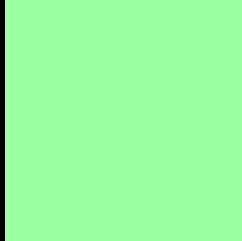
Large Text (above 18pt) WCAG AA × Fail

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 80.8304, 0.3035, 0.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

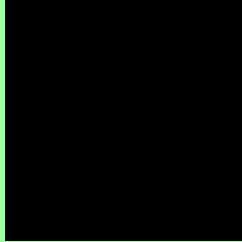
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8304, 0.3035, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 80.8304, 0.3035, 0.4441.

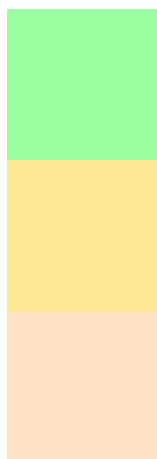


This preview shows how white text looks on a background with the Yxy color 80.8304, 0.3035, 0.4441.

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

80.8304, 0.3035, 0.4441

Protanopia

79.8631, 0.3805, 0.4114

Deuteranopia

79.8228, 0.3512, 0.3554



Tritanopia

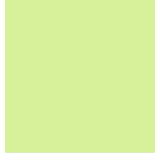
80.3590, 0.2732, 0.3127

Trichromacy



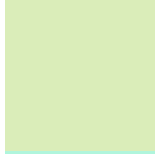
Original Color

80.8304, 0.3035, 0.4441



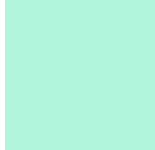
Protanomaly

79.1003, 0.3486, 0.4241



Deuteranomaly

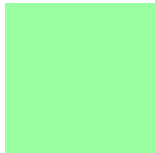
78.9766, 0.3323, 0.3862



Tritanomaly

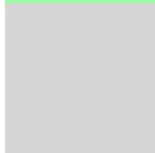
79.7022, 0.2847, 0.3575

Monochromacy



Original Color

80.8304, 0.3035, 0.4441



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.1401, 0.3094, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8304, 0.3035, 0.4441 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(153, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 160)  
}
```

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(153, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 80.8304, 0.3035, 0.4441 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(153, 255, 160) }
```

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

```
.border{ border-color:rgb(153, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8304, 0.3035, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 160) }
```

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

```
.background{ background-color: rgb(153,  
255, 160) }
```

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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