

Converting Colors

Yxy(106.8665, 0.3144, 0.4738)

Have a look what the booklet for
Yxy(106.8665, 0.3144, 0.4738)
contains.

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Color

Yxy(82.7708, 0.3175, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	ADFF9B
RGB	173, 255, 155
RGB Percent	68%, 100%, 61%
CMY	0.3215, 0.0000, 0.3923
CMYK	0.32, 0.00, 0.39, 0.00
HSL	109°, 100%, 80%
HSV	109°, 39%, 100%
XYZ	58.9100, 82.7708, 43.8624
YIQ	219.0820, -16.7720, -48.4840

Conversions

Conversions Part 2

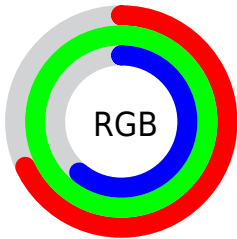
Format	Color
RYB	155, 255, 237
Decimal	11403163
CIELab	92.91, -43.15, 40.07
CIElCh	93, 58.890, 137.118
Yxy	82.7708, 0.3175, 0.4461
Android (android.graphics.Color)	4289593243 (0xFFADFF9B)
YUV	219.0820, -31.5924, -40.4139
Hunter-Lab	90.9785, -43.6308, 35.1001

Details

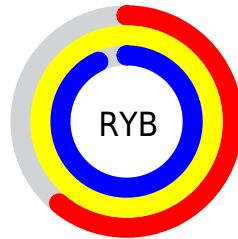
The Yxy color **82.7708, 0.3175, 0.4461** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.6432, 0.3023, 0.2274**, and the grayscale version is **71.1305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1621, 0.3237, 0.3753**, and **45.1294, 0.3158, 0.4762** is the 20% darker color. If you saturate the color by 10%, you get **79.8044, 0.3175, 0.4805**, and if you desaturate by 10%, it is **86.2921, 0.3169, 0.4126**.

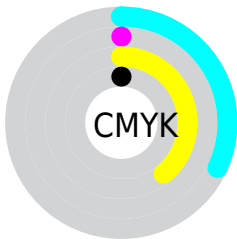
Distribution



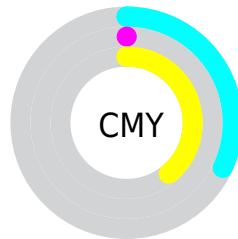
- Red (68%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (93%)



- Cyan (32%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7708, 0.3175, 0.4461 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 82.7708, 0.3175, 0.4461 by changing the saturation by 10% instead.

 82.7708, 0.3175,
0.4461

 82.7708, 0.3175,
0.4461


504.2223, 0.3175,
0.3900

 62.0011, 0.3169,
0.4592


 137.2544, 0.3180,
0.4264

 45.0336, 0.3159,
0.4755


 171.7371, 0.3180,
0.4187

 31.4839, 0.3140,
0.4963


211.5595, 0.3180,
0.4122

 20.9676, 0.3107,
0.5234

257.1062, 0.3179,
0.4066

 13.1003, 0.3045,
0.5601

308.7614, 0.3178,
0.4017

 7.4977, 0.2924,
0.6114


366.9095, 0.3177,


 3.7752, 0.2803,

0.3973

0.7197


431.9351, 0.3176,
0.3935


 1.5486, 0.1647,
0.8353


 0.3226, 0.0000,
1.0000

 82.7708, 0.3175,
0.4461


 82.7708, 0.3175,
0.4461

 79.8044, 0.3175,
0.4805


 86.2921, 0.3169,
0.4126

 77.3620, 0.3166,
0.5140

 90.3928, 0.3157,
0.3812

 75.4128, 0.3148,
0.5442

 95.0985, 0.3142,
0.3526

 73.9220, 0.3121,
0.5687

100.0000, 0.3127,
0.3290

■ 72.8496, 0.3087,
0.5859

■ 72.1439, 0.3052,
0.5955

■ 72.1016, 0.3050,
0.5961

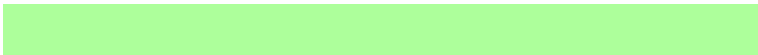
Harmonies

Analogous

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



82.7708, 0.3819, 0.4499



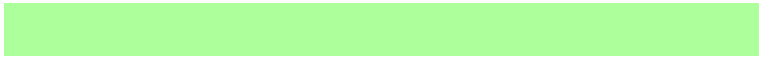
82.7708, 0.3175, 0.4461



82.7708, 0.2552, 0.3970

Triad

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



82.7708, 0.3175, 0.4461



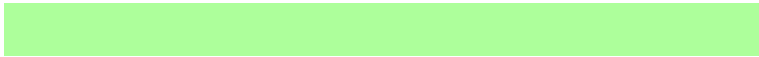
82.7708, 0.2032, 0.2327



82.7708, 0.4239, 0.3175

Complementary

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



82.7708, 0.3175, 0.4461



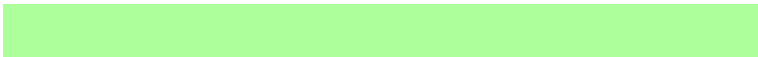
48.6432, 0.3023, 0.2274

Split Complementary

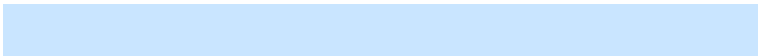
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7708, 0.3654, 0.2720



82.7708, 0.3175, 0.4461



82.7708, 0.2381, 0.2247

Square

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



82.7708, 0.3175, 0.4461



82.7708, 0.1938, 0.2665



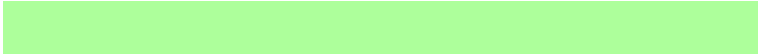
82.7708, 0.2958, 0.2391



82.7708, 0.4480, 0.3686

Rectangle

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



82.7708, 0.3175, 0.4461



82.7708, 0.2231, 0.3498



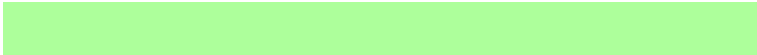
82.7708, 0.2958, 0.2391



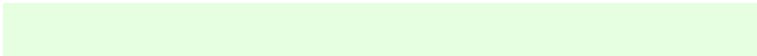
82.7708, 0.4073, 0.3014

Sweetspot

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



82.7715, 0.3175, 0.4461



93.7340, 0.3147, 0.3602



83.9963, 0.3783, 0.4108



19.9287, 0.3149, 0.3639



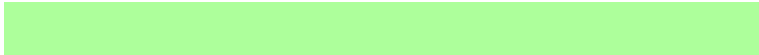
0.0000, 0.0000, 0.0000



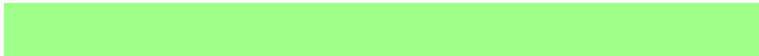
21.4041, 0.3127, 0.3290

Same Dimension

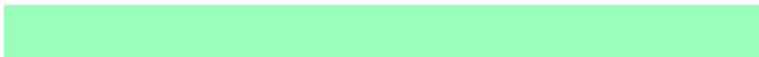
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7715, 0.3175, 0.4461



80.4201, 0.3175, 0.4728



82.0569, 0.2912, 0.4106



20.3258, 0.3143, 0.3534



37.7198, 0.3057, 0.5955



3.7133, 0.3122, 0.5903

Inverse Universe

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



48.6432, 0.3023, 0.2274



41.9748, 0.2994, 0.2078



50.0340, 0.3444, 0.2598



18.1248, 0.3109, 0.3054



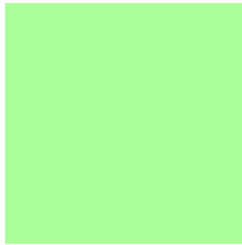
10.9130, 0.2755, 0.1291



1.1038, 0.2810, 0.1321

Previews

White Background



This preview shows how the Yxy color 82.7708, 0.3175, 0.4461 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 82.7708, 0.3175, 0.4461 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

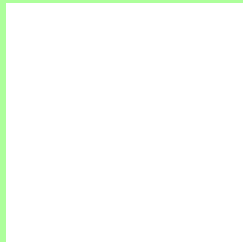
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7708, 0.3175, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 82.7708, 0.3175, 0.4461.

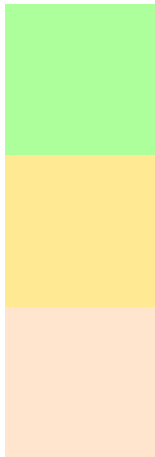


This preview shows how white text looks on a background with the Yxy color 82.7708, 0.3175, 0.4461.

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

82.7708, 0.3175, 0.4461

Protanopia

82.2122, 0.3842, 0.4160

Deuteranopia

81.7064, 0.3471, 0.3533



Tritanopia

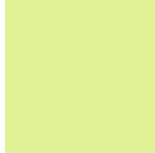
82.2367, 0.2811, 0.3131

Trichromacy



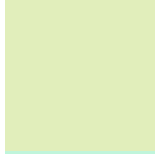
Original Color

82.7708, 0.3175, 0.4461



Protanomaly

81.7138, 0.3575, 0.4277



Deuteranomaly

80.7445, 0.3358, 0.3841



Tritanomaly

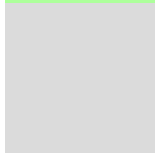
81.6258, 0.2946, 0.3580

Monochromacy



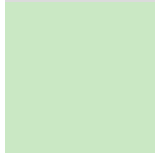
Original Color

82.7708, 0.3175, 0.4461



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2553, 0.3148, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7708, 0.3175, 0.4461 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(173, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 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(173, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 82.7708, 0.3175, 0.4461 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(173, 255, 155) }
```

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

```
.border{ border-color:rgb(173, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7708, 0.3175, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 155) }
```

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

```
.background{ background-color: rgb(173,  
255, 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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