

Converting Colors

Yxy(80.5711, 0.3167, 0.4414)

Have a look what the booklet for
Yxy(80.5711, 0.3167, 0.4414)
contains.

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Color

Yxy(80.7918, 0.3166, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	ACFC9C
RGB	172, 252, 156
RGB Percent	67%, 99%, 61%
CMY	0.3257, 0.0117, 0.3881
CMYK	0.32, 0.00, 0.38, 0.01
HSL	110°, 94%, 80%
HSV	110°, 38%, 99%
XYZ	57.8180, 80.7918, 44.0118
YIQ	217.1360, -16.8640, -46.8160

Conversions

Conversions Part 2

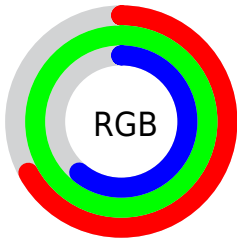
Format	Color
RYB	156, 252, 236
Decimal	11336860
CIELab	92.04, -42.03, 38.40
CIELCh	92, 56.929, 137.587
Yxy	80.7918, 0.3166, 0.4424
Android (android.graphics.Color)	4289526940 (0xFFACFC9C)
YUV	217.1360, -30.1400, -39.5843
Hunter-Lab	89.8843, -42.4774, 33.8876

Details

The Yxy color **80.7918, 0.3166, 0.4424** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.6651, 0.3039, 0.2308**, and the grayscale version is **69.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0461, 0.3225, 0.3743**, and **43.7225, 0.3149, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **77.8355, 0.3165, 0.4769**, and if you desaturate by 10%, it is **84.3083, 0.3161, 0.4090**.

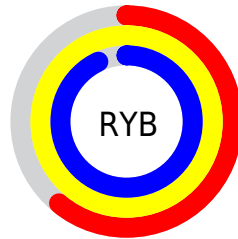
Distribution



Red (67%)

Green (99%)

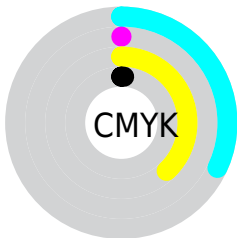
Blue (61%)



Red (61%)

Yellow (99%)

Blue (93%)

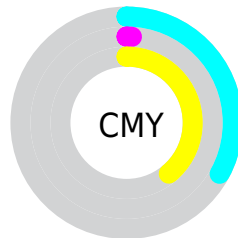


Cyan (32%)

Magenta (0%)

Yellow (38%)

Black (1%)



Cyan (33%)


Magenta (1%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7918, 0.3166, 0.4424 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 80.7918, 0.3166, 0.4424 by changing the saturation by 10% instead.


 80.7918, 0.3166,
0.4424


 80.7918, 0.3166,
0.4424

497.5973, 0.3168,
0.3879

 60.3701, 0.3160,
0.4552


 134.4784, 0.3171,
0.4232

 43.7170, 0.3149,
0.4712


 168.5121, 0.3172,
0.4158

 30.4481, 0.3131,
0.4916


207.8520, 0.3172,
0.4094

 20.1790, 0.3098,
0.5184

252.8824, 0.3172,
0.4040

 12.5252, 0.3037,
0.5549

303.9877, 0.3171,
0.3992

 7.1024, 0.2918,
0.6063


361.5524, 0.3170,


 3.5262, 0.2810,


0.3950

0.7190


425.9608, 0.3169,
0.3912

 1.4123, 0.1456,
0.8544

 0.2257, 0.0000,
1.0000


 80.7918, 0.3166,
0.4424


 80.7918, 0.3166,
0.4424


 77.8355, 0.3165,
0.4769


 84.3083, 0.3161,
0.4090


 75.4003, 0.3156,
0.5108

 88.4013, 0.3151,
0.3778

 73.4584, 0.3139,
0.5416

 93.0990, 0.3139,
0.3496

 71.9750, 0.3113,
0.5670

 98.1089, 0.3128,
0.3262

■ 70.9105, 0.3082,
0.5850

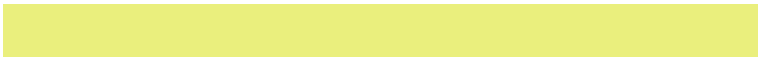
■ 70.2162, 0.3048,
0.5952

■ 70.1169, 0.3043,
0.5966

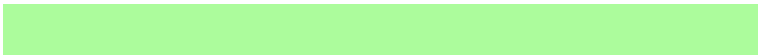
Harmonies

Analogous

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



80.7918, 0.3796, 0.4471



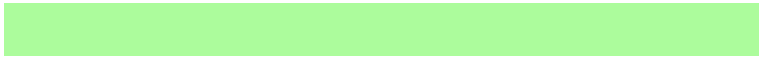
80.7918, 0.3166, 0.4424



80.7918, 0.2558, 0.3942

Triad

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



80.7918, 0.3166, 0.4424



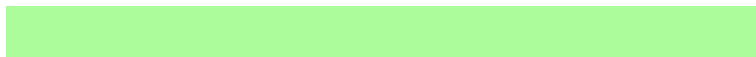
80.7918, 0.2059, 0.2347



80.7918, 0.4217, 0.3188

Complementary

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



80.7918, 0.3166, 0.4424



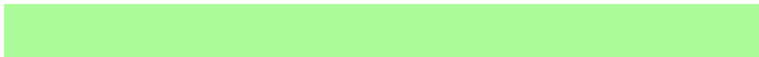
48.6651, 0.3039, 0.2308

Split Complementary

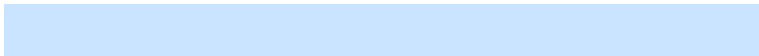
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7918, 0.3652, 0.2739



80.7918, 0.3166, 0.4424



80.7918, 0.2406, 0.2270

Square

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



80.7918, 0.3166, 0.4424



80.7918, 0.1964, 0.2675



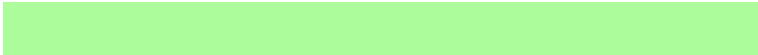
80.7918, 0.2974, 0.2414



80.7918, 0.4447, 0.3689

Rectangle

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



80.7918, 0.3166, 0.4424



80.7918, 0.2247, 0.3483



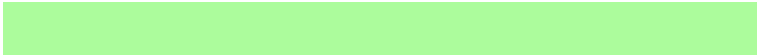
80.7918, 0.2974, 0.2414



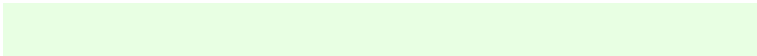
80.7918, 0.4057, 0.3029

Sweetspot

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



80.7952, 0.3166, 0.4424



94.1526, 0.3143, 0.3575



83.0992, 0.3756, 0.4099



20.0099, 0.3144, 0.3613



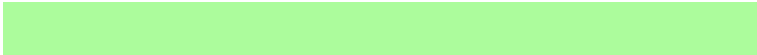
0.0000, 0.0000, 0.0000



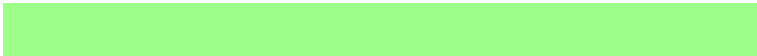
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7952, 0.3166, 0.4424



80.5300, 0.3166, 0.4698



80.3318, 0.2910, 0.4057



19.4475, 0.3141, 0.3533



36.5622, 0.3050, 0.5961



3.4244, 0.3116, 0.5908

Inverse Universe

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



48.6651, 0.3039, 0.2308



43.0660, 0.3012, 0.2108



49.6533, 0.3446, 0.2634



17.3703, 0.3111, 0.3054



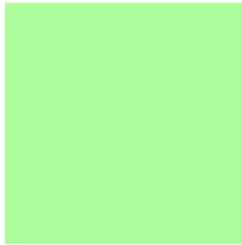
10.8698, 0.2792, 0.1312



1.0442, 0.2845, 0.1341

Previews

White Background



This preview shows how the Yxy color 80.7918, 0.3166, 0.4424 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 80.7918, 0.3166, 0.4424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

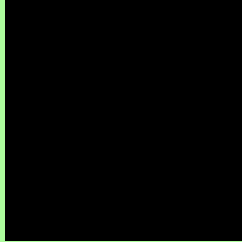
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

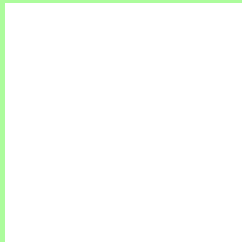
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7918, 0.3166, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 80.7918, 0.3166, 0.4424.

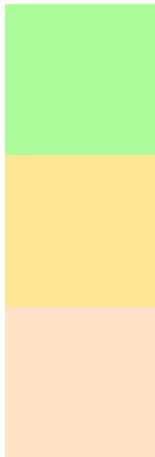


This preview shows how white text looks on a background with the Yxy color 80.7918, 0.3166, 0.4424.

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

80.7918, 0.3166, 0.4424

Protanopia

79.9854, 0.3826, 0.4131

Deuteranopia

79.7762, 0.3519, 0.3565



Tritanopia

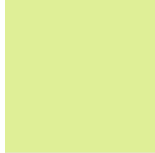
80.2394, 0.2775, 0.3108

Trichromacy



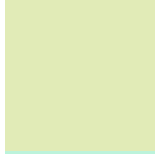
Original Color

80.7918, 0.3166, 0.4424



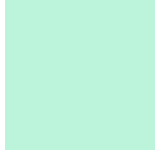
Protanomaly

79.6553, 0.3564, 0.4244



Deuteranomaly

78.8431, 0.3389, 0.3855



Tritanomaly

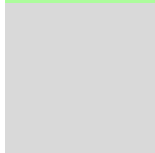
79.9070, 0.2921, 0.3560

Monochromacy



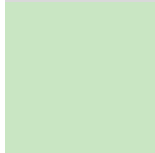
Original Color

80.7918, 0.3166, 0.4424



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.9513, 0.3149, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7918, 0.3166, 0.4424 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(172, 252, 156)` looks like.

```
.text, #text, p{  
    color:rgb(172, 252, 156)  
}
```

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(172, 252, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 252, 156) }
```

Border

The CSS property to change the border of an element to Yxy 80.7918, 0.3166, 0.4424 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(172, 252, 156) }
```

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

```
.border{ border-color:rgb(172, 252, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 252, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 252, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 252, 156);  
box-shadow:4px 4px 4px 4px rgb(172, 252,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7918, 0.3166, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 252, 156) }
```

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

```
.background{ background-color: rgb(172,  
252, 156) }
```

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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