

Converting Colors

$Y_{xy}(76.9213, 0.3110, 0.4314)$

Have a look what the booklet for
Yxy(76.9213, 0.3110, 0.4314)
contains.

Yxy(76.7357, 0.3109, 0.4306)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7357, 0.3109, 0.4306)

Conversions

Conversions Part 1

Format	Color
Hex	A7F6A2
RGB	167, 246, 162
RGB Percent	65%, 96%, 64%
CMY	0.3453, 0.0352, 0.3648
CMYK	0.32, 0.00, 0.34, 0.04
HSL	116°, 82%, 80%
HSV	116°, 34%, 96%
XYZ	55.4044, 76.7357, 46.0664
YIQ	212.8030, -20.1200, -42.8720

Conversions

Conversions Part 2

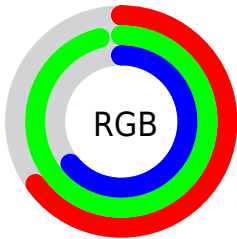
Format	Color
RYB	162, 246, 241
Decimal	11007650
CIELab	90.20, -40.08, 32.96
CIELCh	90, 51.894, 140.569
Yxy	76.7357, 0.3109, 0.4306
Android (android.graphics.Color)	4289197730 (0xFFA7F6A2)
YUV	212.8030, -25.0459, -40.1692
Hunter-Lab	87.5989, -40.4008, 30.1399

Details

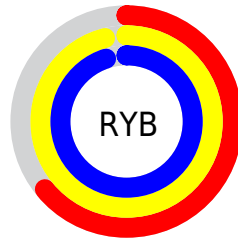
The Yxy color **76.7357, 0.3109, 0.4306** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.2009, 0.3126, 0.2430**, and the grayscale version is **66.5755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3770, 0.3152, 0.3685**, and **40.9441, 0.3088, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **73.6494, 0.3098, 0.4659**, and if you desaturate by 10%, it is **80.4508, 0.3117, 0.3971**.

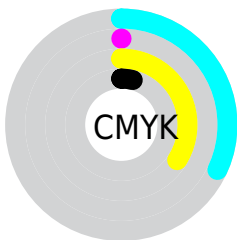
Distribution



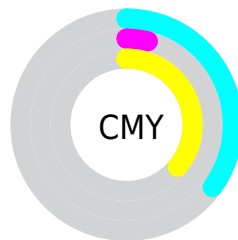
- Red (65%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)




- Cyan (35%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7357, 0.3109, 0.4306 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 76.7357, 0.3109, 0.4306 by changing the saturation by 10% instead.


 76.7357, 0.3109,
0.4306


 76.7357, 0.3109,
0.4306


483.8624, 0.3133,
0.3814

 57.0360, 0.3099,
0.4423


 128.7663, 0.3121,
0.4131

 41.0341, 0.3084,
0.4570


 161.8660, 0.3125,
0.4064

 28.3458, 0.3062,
0.4760


200.2012, 0.3127,
0.4007

 18.5865, 0.3025,
0.5012

244.1562, 0.3129,
0.3958

 11.3718, 0.2962,
0.5361

294.1154, 0.3131,
0.3915

 6.3175, 0.2843,
0.5870


350.4632, 0.3132,


 3.0391, 0.2722,

0.3877


0.6978


413.5841, 0.3133,
0.3844


 1.1522, 0.0760,
0.9240


 0.0221, 0.0000,
1.0000


 76.7357, 0.3109,
0.4306


 76.7357, 0.3109,
0.4306


 73.6494, 0.3098,
0.4659

 80.4508, 0.3117,
0.3971


 71.1481, 0.3084,
0.5014

 84.8165, 0.3123,
0.3666

 69.1976, 0.3068,
0.5346

 89.8654, 0.3126,
0.3393

 67.7562, 0.3050,
0.5627

 94.4009, 0.3131,
0.3204

■ 66.7764, 0.3032,
0.5834

■ 66.2013, 0.3016,
0.5955

■ 66.0185, 0.3009,
0.5993

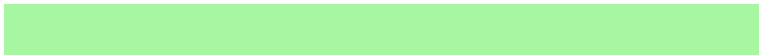
Harmonies

Analogous

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



76.7357, 0.3701, 0.4399



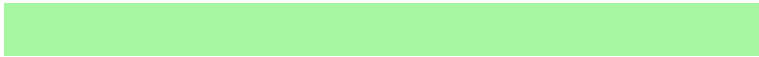
76.7357, 0.3109, 0.4306



76.7357, 0.2551, 0.3831

Triad

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



76.7357, 0.3109, 0.4306



76.7357, 0.2150, 0.2393



76.7357, 0.4175, 0.3245

Complementary

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



76.7357, 0.3109, 0.4306



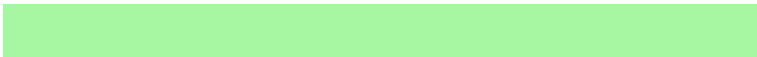
51.2009, 0.3126, 0.2430

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.



76.7357, 0.3676, 0.2814



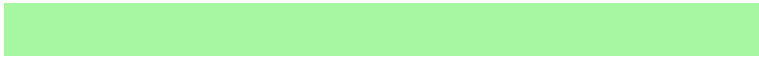
76.7357, 0.3109, 0.4306



76.7357, 0.2500, 0.2339

Square

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



76.7357, 0.3109, 0.4306



76.7357, 0.2036, 0.2680



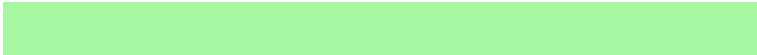
76.7357, 0.3048, 0.2493



76.7357, 0.4353, 0.3718

Rectangle

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



76.7357, 0.3109, 0.4306



76.7357, 0.2272, 0.3408



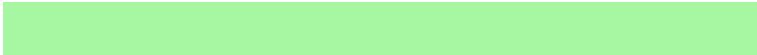
76.7357, 0.3048, 0.2493



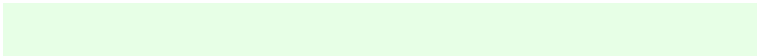
76.7357, 0.4037, 0.3093

Sweetspot

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



76.7390, 0.3109, 0.4306



94.1950, 0.3124, 0.3549



84.7677, 0.3660, 0.4093



20.0001, 0.3124, 0.3588



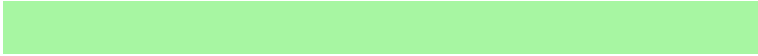
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.7390, 0.3109, 0.4306



80.8669, 0.3102, 0.4550



77.6965, 0.2885, 0.3858



18.5187, 0.3125, 0.3534



35.2521, 0.3012, 0.5990



3.1144, 0.3044, 0.5965

Inverse Universe

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



51.2009, 0.3126, 0.2430



49.2844, 0.3123, 0.2262



50.0649, 0.3480, 0.2787



16.7155, 0.3129, 0.3056



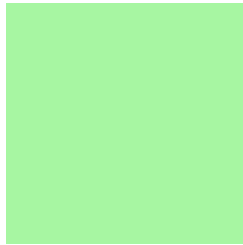
12.6838, 0.3062, 0.1460



1.1297, 0.3081, 0.1471

Previews

White Background



This preview shows how the Yxy color 76.7357, 0.3109, 0.4306 looks on a white background.

Color Contrast Check

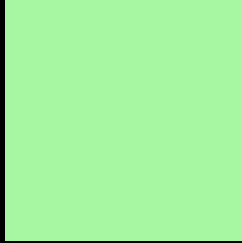
Large Text (above 18pt) WCAG AA × Fail

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 76.7357, 0.3109, 0.4306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

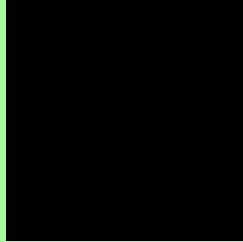
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7357, 0.3109, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 76.7357, 0.3109, 0.4306.

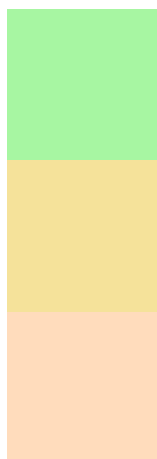


This preview shows how white text looks on a background with the Yxy color 76.7357, 0.3109, 0.4306.

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

76.7357, 0.3109, 0.4306

Protanopia

76.1383, 0.3753, 0.4042

Deuteranopia

76.0772, 0.3611, 0.3618



Tritanopia

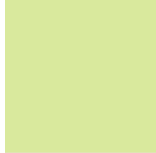
76.6989, 0.2709, 0.3092

Trichromacy



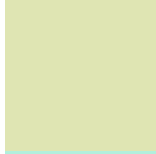
Original Color

76.7357, 0.3109, 0.4306



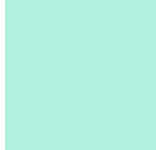
Protanomaly

75.4639, 0.3500, 0.4137



Deuteranomaly

74.9813, 0.3412, 0.3842



Tritanomaly

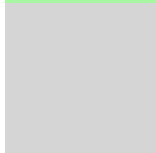
76.3653, 0.2855, 0.3508

Monochromacy



Original Color

76.7357, 0.3109, 0.4306



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.4812, 0.3124, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7357, 0.3109, 0.4306 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(167, 246, 162)` looks like.

```
.text, #text, p{  
    color:rgb(167, 246, 162)  
}
```

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(167, 246, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 246, 162) }
```

Border

The CSS property to change the border of an element to Yxy 76.7357, 0.3109, 0.4306 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(167, 246, 162) }
```

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

```
.border{ border-color:rgb(167, 246, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 246, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 246, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 246, 162); box-shadow:4px 4px 4px 4px rgb(167, 246, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7357, 0.3109, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 246, 162) }
```

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

```
.background{ background-color: rgb(167,  
246, 162) }
```

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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