

Converting Colors

$Yxy(76.7829, 0.3225, 0.4570)$

Have a look what the booklet for
Yxy(76.7829, 0.3225, 0.4570)
contains.

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Color

Yxy(76.7694, 0.3224, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	A8F78D
RGB	168, 247, 141
RGB Percent	66%, 97%, 55%
CMY	0.3414, 0.0313, 0.4471
CMYK	0.32, 0.00, 0.43, 0.03
HSL	105°, 87%, 76%
HSV	105°, 43%, 97%
XYZ	54.2060, 76.7694, 37.1573
YIQ	211.2950, -13.0580, -49.7140

Conversions

Conversions Part 2

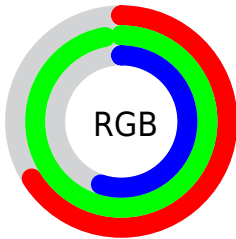
Format	Color
RYB	141, 247, 220
Decimal	11073421
CIELab	90.22, -43.18, 43.37
CIELCh	90, 61.201, 134.878
Yxy	76.7694, 0.3224, 0.4566
Android (android.graphics.Color)	4289263501 (0xFFA8F78D)
YUV	211.2950, -34.6554, -37.9697
Hunter-Lab	87.6181, -42.9007, 36.1888

Details

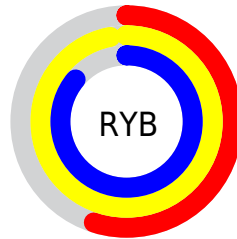
The Yxy color **76.7694, 0.3224, 0.4566** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.9927, 0.2942, 0.2159**, and the grayscale version is **65.5791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6743, 0.3286, 0.3907**, and **40.9929, 0.3208, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **74.2375, 0.3229, 0.4899**, and if you desaturate by 10%, it is **79.7584, 0.3210, 0.4234**.

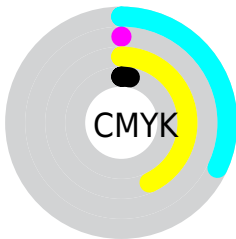
Distribution



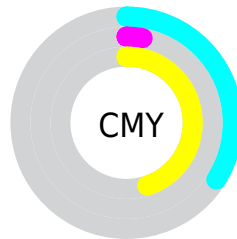
- Red (66%)
- Green (97%)
- Blue (55%)



- Red (55%)
- Yellow (97%)
- Blue (86%)



- Cyan (32%)
- Magenta (0%)
- Yellow (43%)
- Black (3%)





- Cyan (34%)
- Magenta (3%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7694, 0.3224, 0.4566 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 76.7694, 0.3224, 0.4566 by changing the saturation by 10% instead.


 76.7694, 0.3224,
0.4566


 76.7694, 0.3224,
0.4566


483.9774, 0.3206,
0.3947

 57.0636, 0.3220,
0.4712


 128.8139, 0.3224,
0.4347

 41.0563, 0.3212,
0.4895


 161.9215, 0.3222,
0.4263

 28.3631, 0.3193,
0.5128


200.2650, 0.3219,
0.4191

 18.5996, 0.3157,
0.5433

244.2291, 0.3217,
0.4129

 11.3813, 0.3083,
0.5844

294.1979, 0.3214,
0.4074

 6.3239, 0.2940,
0.6439


350.5560, 0.3211,


 3.0430, 0.2646,

0.4027

0.7354


413.6877, 0.3208,
0.3985

 1.1542, 0.0176,
0.9824


 0.0238, 0.0000,
1.0000


 76.7694, 0.3224,
0.4566

 76.7694, 0.3224,
0.4566


 74.2375, 0.3229,
0.4899

 79.7584, 0.3210,
0.4234

 72.1297, 0.3222,
0.5216

 83.2158, 0.3189,
0.3918

 70.4241, 0.3202,
0.5494

 87.1650, 0.3163,
0.3626

 69.0927, 0.3169,
0.5713

 91.6244, 0.3136,
0.3362

■ 68.1028, 0.3127,
0.5860

■ 95.0121, 0.3131,
0.3214

■ 67.5811, 0.3095,
0.5925

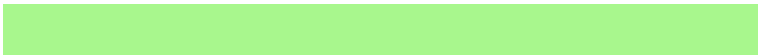
Harmonies

Analogous

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



76.7694, 0.3902, 0.4558



76.7694, 0.3224, 0.4566



76.7694, 0.2557, 0.4071

Triad

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



76.7694, 0.3224, 0.4566



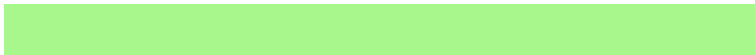
76.7694, 0.1954, 0.2286



76.7694, 0.4276, 0.3125

Complementary

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



76.7694, 0.3224, 0.4566



40.9927, 0.2942, 0.2159

Split Complementary

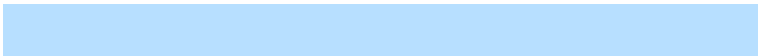
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7694, 0.3631, 0.2655



76.7694, 0.3224, 0.4566



76.7694, 0.2300, 0.2187

Square

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



76.7694, 0.3224, 0.4566



76.7694, 0.1875, 0.2659



76.7694, 0.2893, 0.2323



76.7694, 0.4563, 0.3659

Rectangle

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



76.7694, 0.3224, 0.4566



76.7694, 0.2208, 0.3567



76.7694, 0.2893, 0.2323



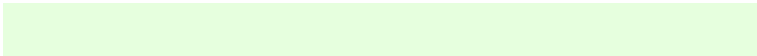
76.7694, 0.4090, 0.2957

Sweetspot

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



76.7727, 0.3224, 0.4566



93.6541, 0.3164, 0.3629



72.2302, 0.3884, 0.4099



19.8352, 0.3170, 0.3691



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.



76.7727, 0.3224, 0.4566



80.0122, 0.3229, 0.4872



74.9378, 0.2941, 0.4313



18.6754, 0.3154, 0.3532



35.7925, 0.3104, 0.5917



3.1928, 0.3190, 0.5849

Inverse Universe

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



40.9927, 0.2942, 0.2159



36.6580, 0.2887, 0.1925



44.1146, 0.3398, 0.2453



16.5440, 0.3097, 0.3054



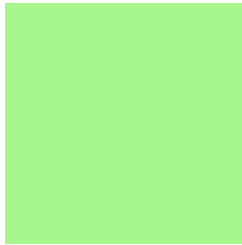
9.0277, 0.2573, 0.1191



0.8420, 0.2656, 0.1237

Previews

White Background



This preview shows how the Yxy color 76.7694, 0.3224, 0.4566 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 76.7694, 0.3224, 0.4566 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

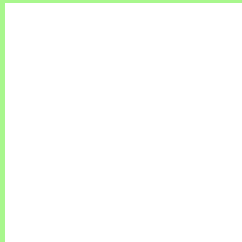
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7694, 0.3224, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 76.7694, 0.3224, 0.4566.

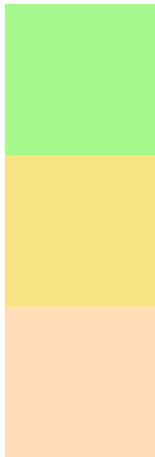


This preview shows how white text looks on a background with the Yxy color 76.7694, 0.3224, 0.4566.

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

76.7694, 0.3224, 0.4566

Protanopia

75.8603, 0.3903, 0.4243

Deuteranopia

75.8653, 0.3647, 0.3670



Tritanopia

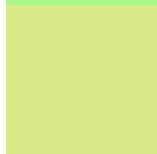
76.5023, 0.2725, 0.3081

Trichromacy



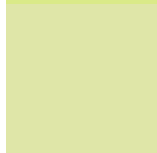
Original Color

76.7694, 0.3224, 0.4566



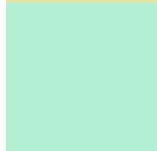
Protanomaly

75.5286, 0.3632, 0.4369



Deuteranomaly

75.1088, 0.3482, 0.3974



Tritanomaly

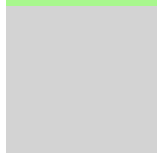
76.1898, 0.2911, 0.3602

Monochromacy



Original Color

76.7694, 0.3224, 0.4566



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.4586, 0.3169, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7694, 0.3224, 0.4566 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(168, 247, 141)` looks like.

```
.text, #text, p{  
    color:rgb(168, 247, 141)  
}
```

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(168, 247, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 247, 141) }
```

Border

The CSS property to change the border of an element to Yxy 76.7694, 0.3224, 0.4566 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(168, 247, 141) }
```

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

```
.border{ border-color:rgb(168, 247, 141) }
```

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

Here you see how a box with a 4 pixel rgb(168, 247, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 247, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 247, 141);  
box-shadow:4px 4px 4px 4px rgb(168, 247,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7694, 0.3224, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 247, 141) }
```

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

```
.background{ background-color: rgb(168,  
247, 141) }
```

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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