

Converting Colors

$Yxy(76.6447, 0.3095, 0.4776)$

Have a look what the booklet for
Yxy(76.6447, 0.3095, 0.4776)
contains.

Yxy(76.8622, 0.3098, 0.4783)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8622, 0.3098, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	8CFC84
RGB	140, 252, 132
RGB Percent	55%, 99%, 52%
CMY	0.4512, 0.0117, 0.4822
CMYK	0.44, 0.00, 0.48, 0.01
HSL	116°, 95%, 75%
HSV	116°, 48%, 99%
XYZ	49.7845, 76.8622, 34.0521
YIQ	204.8320, -28.2320, -61.0640

Conversions

Conversions Part 2

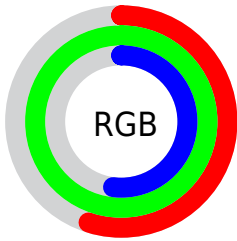
Format	Color
RYB	132, 252, 244
Decimal	9239684
CIELab	90.26, -54.96, 47.45
CIELCh	90, 72.610, 139.197
Yxy	76.8622, 0.3098, 0.4783
Android (android.graphics.Color)	4287429764 (0xFF8CFC84)
YUV	204.8320, -35.9062, -56.8577
Hunter-Lab	87.6711, -52.0623, 38.3411

Details

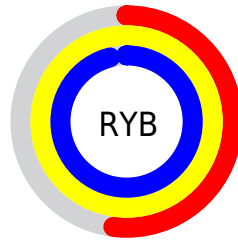
The Yxy color **76.8622, 0.3098, 0.4783** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.7919, 0.3112, 0.2108**, and the grayscale version is **61.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2500, 0.3164, 0.4043**, and **41.3441, 0.3049, 0.5184** is the 20% darker color. If you saturate the color by 10%, you get **74.4268, 0.3083, 0.5132**, and if you desaturate by 10%, it is **79.9080, 0.3109, 0.4427**.

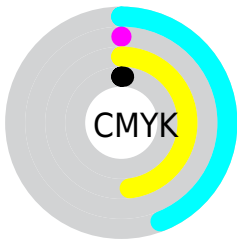
Distribution



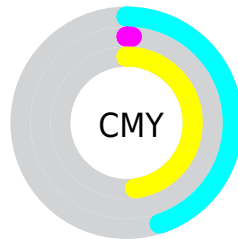
- Red (55%)
- Green (99%)
- Blue (52%)



- Red (52%)
- Yellow (99%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (48%)
- Black (1%)





- Cyan (45%)
- Magenta (1%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8622, 0.3098, 0.4783 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 76.8622, 0.3098, 0.4783 by changing the saturation by 10% instead.


 76.8622, 0.3098,
0.4783

 76.8622, 0.3098,
0.4783


484.2941, 0.3147,
0.4050


 57.1398, 0.3077,
0.4958

 128.9449, 0.3123,
0.4522

 41.1175, 0.3044,
0.5176


 162.0741, 0.3130,
0.4422

 28.4109, 0.2995,
0.5455


 200.4409, 0.3136,
0.4337

 18.6356, 0.2913,
0.5820

244.4298, 0.3139,
0.4264

 11.4073, 0.2774,
0.6310

294.4251, 0.3142,
0.4200

 6.3415, 0.2556,
0.7076


350.8114, 0.3144,


 3.0538, 0.2055,


0.4144


0.7945


413.9729, 0.3146,
0.4094

 1.1599, 0.0000,
1.0000


 0.0286, 0.0000,
1.0000


 76.8622, 0.3098,
0.4783


 76.8622, 0.3098,
0.4783


 74.4268, 0.3083,
0.5132


 79.9080, 0.3109,
0.4427

 72.5518, 0.3066,
0.5449

 83.5911, 0.3117,
0.4084

 71.1950, 0.3047,
0.5707

 87.9486, 0.3123,
0.3768

 70.3042, 0.3029,
0.5885

 93.0117, 0.3126,
0.3484

■ 69.8149, 0.3012,
0.5978

■ 98.1084, 0.3128,
0.3262

■ 69.7440, 0.3010,
0.5992

Harmonies

Analogous

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



76.8622, 0.3899, 0.4817



76.8622, 0.3098, 0.4783



76.8622, 0.2348, 0.4106

Triad

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



76.8622, 0.3098, 0.4783



76.8622, 0.1813, 0.2089



76.8622, 0.4570, 0.3164

Complementary

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



76.8622, 0.3098, 0.4783



42.7919, 0.3112, 0.2108

Split Complementary

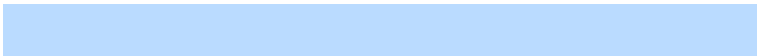
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8622, 0.3844, 0.2620



76.8622, 0.3098, 0.4783



76.8622, 0.2244, 0.2027

Square

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



76.8622, 0.3098, 0.4783



76.8622, 0.1679, 0.2453



76.8622, 0.2962, 0.2218



76.8622, 0.4819, 0.3772

Rectangle

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



76.8622, 0.3098, 0.4783



76.8622, 0.1981, 0.3473



76.8622, 0.2962, 0.2218



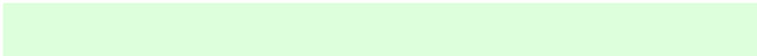
76.8622, 0.4369, 0.2972

Sweetspot

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



76.8654, 0.3098, 0.4783



92.1252, 0.3124, 0.3662



87.0739, 0.3865, 0.4390



19.4867, 0.3123, 0.3725



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.



76.8654, 0.3098, 0.4783



76.5764, 0.3084, 0.5113



77.9982, 0.2809, 0.4135



19.3638, 0.3126, 0.3535



36.3476, 0.3014, 0.5989



3.3849, 0.3047, 0.5962

Inverse Universe

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



42.7919, 0.3112, 0.2108



37.7845, 0.3103, 0.1910



41.3800, 0.3683, 0.2590



17.4629, 0.3127, 0.3056



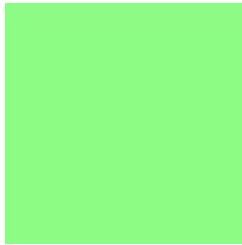
12.9218, 0.3044, 0.1451



1.2138, 0.3065, 0.1462

Previews

White Background



This preview shows how the Yxy color 76.8622, 0.3098, 0.4783 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 76.8622, 0.3098, 0.4783 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

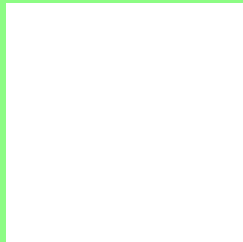
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8622, 0.3098, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 76.8622, 0.3098, 0.4783.

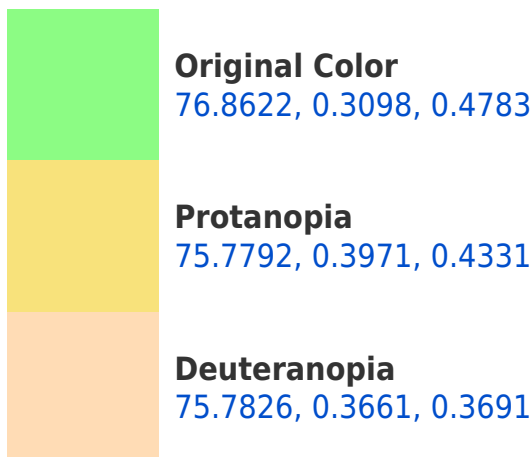


This preview shows how white text looks on a background with the Yxy color 76.8622, 0.3098, 0.4783.

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





Tritanopia

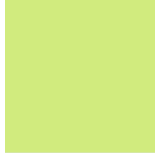
76.3344, 0.2626, 0.3088

Trichromacy



Original Color

76.8622, 0.3098, 0.4783



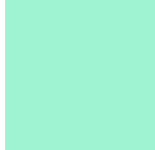
Protanomaly

74.4783, 0.3618, 0.4508



Deuteranomaly

74.5037, 0.3435, 0.4068



Tritanomaly

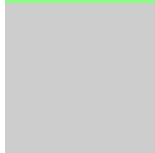
75.5283, 0.2804, 0.3671

Monochromacy



Original Color

76.8622, 0.3098, 0.4783



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.2807, 0.3123, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8622, 0.3098, 0.4783 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(140, 252, 132)` looks like.

```
.text, #text, p{  
    color:rgb(140, 252, 132)  
}
```

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(140, 252, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 252, 132) }
```

Border

The CSS property to change the border of an element to Yxy 76.8622, 0.3098, 0.4783 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(140, 252, 132) }
```

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

```
.border{ border-color:rgb(140, 252, 132) }
```

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

Here you see how a box with a 4 pixel rgb(140, 252, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 252, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 252, 132);  
box-shadow:4px 4px 4px 4px rgb(140, 252,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8622, 0.3098, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 252, 132) }
```

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

```
.background{ background-color: rgb(140,  
252, 132) }
```

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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