

Converting Colors

Yxy(78.6180, 0.2854, 0.4390)

Have a look what the booklet for
Yxy(78.6180, 0.2854, 0.4390)
contains.

Yxy(78.6322, 0.2852, 0.4386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.6322, 0.2852, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	7CFFA8
RGB	124, 255, 168
RGB Percent	49%, 100%, 66%
CMY	0.5140, 0.0000, 0.3413
CMYK	0.51, 0.00, 0.34, 0.00
HSL	140°, 100%, 74%
HSV	140°, 51%, 100%
XYZ	51.1307, 78.6322, 49.5171
YIQ	205.9130, -50.1490, -54.8290

Conversions

Conversions Part 2

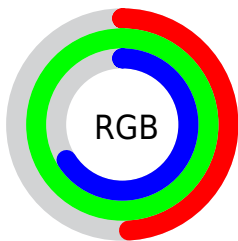
Format	Color
RYB	124, 222, 255
Decimal	8191912
CIELab	91.07, -54.85, 30.80
CIELCh	91, 62.906, 150.687
Yxy	78.6322, 0.2852, 0.4386
Android (android.graphics.Color)	4286381992 (0xFF7CFFA8)
YUV	205.9130, -18.6911, -71.8377
Hunter-Lab	88.6748, -52.2563, 28.9641

Details

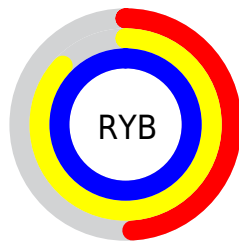
The Yxy color **78.6322, 0.2852, 0.4386** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.3586, 0.3609, 0.2420**, and the grayscale version is **61.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0922, 0.2877, 0.3632**, and **42.1310, 0.2766, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **76.3767, 0.2824, 0.4646**, and if you desaturate by 10%, it is **81.4491, 0.2892, 0.4135**.

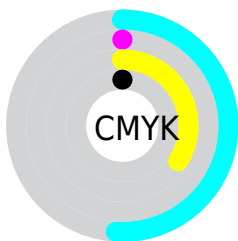
Distribution



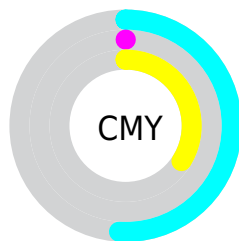
- Red (49%)
- Green (100%)
- Blue (66%)



- Red (49%)
- Yellow (87%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6322, 0.2852, 0.4386 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 78.6322, 0.2852, 0.4386 by changing the saturation by 10% instead.


 78.6322, 0.2852,
0.4386


 78.6322, 0.2852,
0.4386


490.3112, 0.2996,
0.3851

 58.5935, 0.2815,
0.4515


 131.4409, 0.2905,
0.4195

 42.2859, 0.2767,
0.4676


 164.9797, 0.2925,
0.4122

 29.3253, 0.2702,
0.4886


 203.7873, 0.2942,
0.4060

 19.3270, 0.2612,
0.5166

248.2481, 0.2956,
0.4007

 11.9068, 0.2479,
0.5559

298.7465, 0.2968,
0.3960

 6.6802, 0.2266,
0.6138


355.6669, 0.2978,


 3.2629, 0.1940,


0.3919

0.7207

419.3937, 0.2988,
0.3883

 1.2705, 0.0000,
1.0000


 0.1182, 0.0000,
1.0000


 78.6322, 0.2852,
0.4386


 78.6322, 0.2852,
0.4386


 76.3767, 0.2824,
0.4646


 81.4491, 0.2892,
0.4135


 74.6583, 0.2813,
0.4905


 84.8826, 0.2942,
0.3898


 73.4234, 0.2818,
0.5151

 88.9611, 0.2998,
0.3682

 72.6149, 0.2842,
0.5374

 93.7162, 0.3058,
0.3486

 72.1870, 0.2872,
0.5539

 99.1776, 0.3119,
0.3313

100.0000, 0.3127,
0.3290

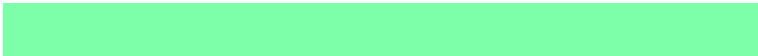
Harmonies

Analogous

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



78.6322, 0.3560, 0.4651



78.6322, 0.2852, 0.4386



78.6322, 0.2256, 0.3684

Triad

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



78.6322, 0.2852, 0.4386



78.6322, 0.2086, 0.2184



78.6322, 0.4509, 0.3402

Complementary

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



78.6322, 0.2852, 0.4386



40.3586, 0.3609, 0.2420

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.



78.6322, 0.4019, 0.2882



78.6322, 0.2852, 0.4386



78.6322, 0.2575, 0.2214

Square

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



78.6322, 0.2852, 0.4386



78.6322, 0.1862, 0.2410



78.6322, 0.3278, 0.2462



78.6322, 0.4557, 0.3950

Rectangle

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



78.6322, 0.2852, 0.4386



78.6322, 0.1996, 0.3162



78.6322, 0.3278, 0.2462



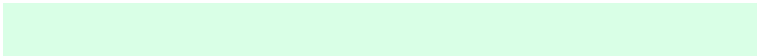
78.6322, 0.4390, 0.3222

Sweetspot

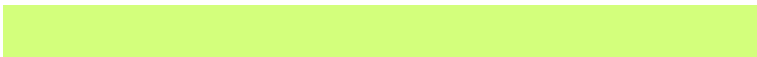
The Sweet Spot groups the original color and five complimentary colors.



78.6263, 0.2852, 0.4386



91.9244, 0.3036, 0.3554



86.8682, 0.3576, 0.4682



19.4600, 0.3024, 0.3595



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

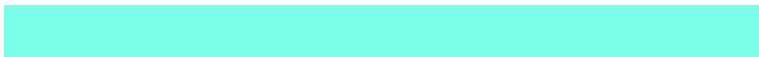
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6263, 0.2852, 0.4386



76.2590, 0.2823, 0.4661



81.6920, 0.2552, 0.3546



20.2689, 0.3069, 0.3452



37.7440, 0.2864, 0.5510



3.6944, 0.2801, 0.5283

Inverse Universe

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



40.3586, 0.3609, 0.2420



34.0489, 0.3753, 0.2276



37.7263, 0.4362, 0.3070



18.1905, 0.3190, 0.3133



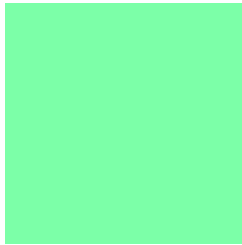
12.6405, 0.4287, 0.2136



1.2511, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 78.6322, 0.2852, 0.4386 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 78.6322, 0.2852, 0.4386 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 78.6322, 0.2852, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 78.6322, 0.2852, 0.4386.

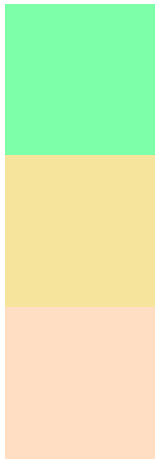


This preview shows how white text looks on a background with the Yxy color 78.6322, 0.2852, 0.4386.

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

78.6322, 0.2852, 0.4386

Protanopia

77.4799, 0.3740, 0.4038

Deuteranopia

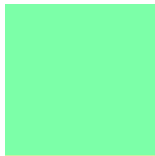
77.4427, 0.3555, 0.3566



Tritanopia

78.1981, 0.2636, 0.3123

Trichromacy



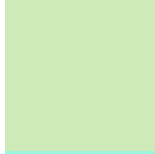
Original Color

78.6322, 0.2852, 0.4386



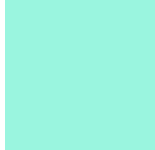
Protanomaly

76.2437, 0.3362, 0.4183



Deuteranomaly

75.6138, 0.3250, 0.3845



Tritanomaly

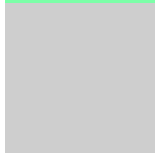
77.5026, 0.2715, 0.3548

Monochromacy



Original Color

78.6322, 0.2852, 0.4386



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3472, 0.3000, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6322, 0.2852, 0.4386 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(124, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 168)  
}
```

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(124, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 78.6322, 0.2852, 0.4386 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(124, 255, 168) }
```

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

```
.border{ border-color:rgb(124, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 255, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 255, 168); box-shadow:4px 4px 4px 4px rgb(124, 255, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6322, 0.2852, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 168) }
```

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

```
.background{ background-color: rgb(124,  
255, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor