

Converting Colors

$Yxy(81.6401, 0.2874, 0.4558)$

Have a look what the booklet for
Yxy(81.6401, 0.2874, 0.4558)
contains.

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Color

Yxy(77.9451, 0.2872, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	77FF9F
RGB	119, 255, 159
RGB Percent	47%, 100%, 62%
CMY	0.5333, 0.0000, 0.3766
CMYK	0.53, 0.00, 0.38, 0.00
HSL	138°, 100%, 73%
HSV	138°, 53%, 100%
XYZ	49.6250, 77.9451, 45.2189
YIQ	203.3920, -50.2400, -58.6880

Conversions

Conversions Part 2

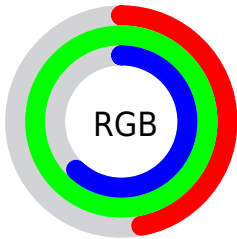
Format	Color
RYB	119, 224, 255
Decimal	7864223
CIELab	90.75, -57.53, 34.84
CIELCh	91, 67.263, 148.800
Yxy	77.9451, 0.2872, 0.4511
Android (android.graphics.Color)	4286054303 (0xFF77FF9F)
YUV	203.3920, -21.8853, -74.0118
Hunter-Lab	88.2865, -54.1683, 31.4332

Details

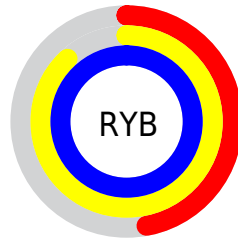
The Yxy color **77.9451, 0.2872, 0.4511** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.3645, 0.3573, 0.2340**, and the grayscale version is **60.1444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9587, 0.2901, 0.3751**, and **41.7300, 0.2789, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **75.7962, 0.2850, 0.4786**, and if you desaturate by 10%, it is **80.6691, 0.2907, 0.4241**.

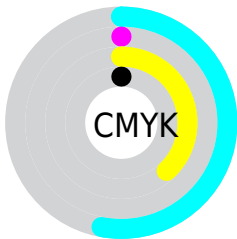
Distribution



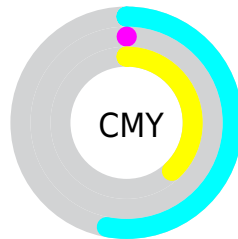
- Red (47%)
- Green (100%)
- Blue (62%)



- Red (47%)
- Yellow (88%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9451, 0.2872, 0.4511 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 77.9451, 0.2872, 0.4511 by changing the saturation by 10% instead.


 77.9451, 0.2872,
0.4511


 77.9451, 0.2872,
0.4511

487.9804, 0.3011,
0.3912


 58.0289, 0.2835,
0.4655

 130.4727, 0.2925,
0.4297

 41.8319, 0.2785,
0.4837


 163.8529, 0.2944,
0.4215

 28.9697, 0.2718,
0.5073


 202.4899, 0.2960,
0.4146

 19.0579, 0.2623,
0.5388

246.7681, 0.2974,
0.4086

 11.7121, 0.2478,
0.5828

297.0718, 0.2985,
0.4034

 6.5480, 0.2243,
0.6468


353.7855, 0.2995,


 3.1810, 0.1936,


0.3988


0.7901


417.2935, 0.3004,
0.3948


 1.2270, 0.0000,
1.0000


 0.0836, 0.0000,
1.0000


 77.9451, 0.2872,
0.4511


 77.9451, 0.2872,
0.4511


 75.7962, 0.2850,
0.4786

 80.6691, 0.2907,
0.4241


 74.1786, 0.2843,
0.5055

 84.0070, 0.2951,
0.3986


 73.0422, 0.2853,
0.5304

 87.9942, 0.3001,
0.3750

 72.3267, 0.2878,
0.5520

 92.6636, 0.3054,
0.3538

 72.0272, 0.2901,
0.5642

 98.0454, 0.3109,
0.3348

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.



77.9451, 0.3626, 0.4750



77.9451, 0.2872, 0.4511



77.9451, 0.2228, 0.3765

Triad

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



77.9451, 0.2872, 0.4511



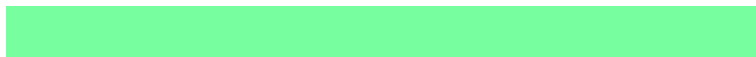
77.9451, 0.1998, 0.2122



77.9451, 0.4589, 0.3363

Complementary

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



77.9451, 0.2872, 0.4511



39.3645, 0.3573, 0.2340

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.



77.9451, 0.4037, 0.2821



77.9451, 0.2872, 0.4511



77.9451, 0.2496, 0.2141

Square

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



77.9451, 0.2872, 0.4511



77.9451, 0.1781, 0.2374



77.9451, 0.3234, 0.2389



77.9451, 0.4664, 0.3942

Rectangle

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



77.9451, 0.2872, 0.4511



77.9451, 0.1943, 0.3196



77.9451, 0.3234, 0.2389



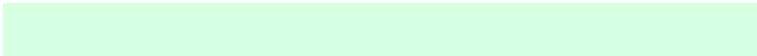
77.9451, 0.4452, 0.3175

Sweetspot

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



77.9452, 0.2872, 0.4511



91.3477, 0.3040, 0.3592



87.5228, 0.3634, 0.4709



19.3425, 0.3029, 0.3635



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.



77.9452, 0.2872, 0.4511



75.6715, 0.2849, 0.4804



80.9083, 0.2567, 0.3642



20.2560, 0.3075, 0.3462



37.6583, 0.2893, 0.5614



3.6848, 0.2831, 0.5393

Inverse Universe

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



39.3645, 0.3573, 0.2340



33.3865, 0.3699, 0.2193



36.6097, 0.4351, 0.2993



18.2040, 0.3183, 0.3124



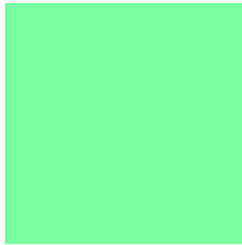
12.8593, 0.4126, 0.2046



1.2712, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 77.9451, 0.2872, 0.4511 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 77.9451, 0.2872, 0.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

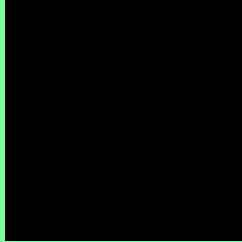
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

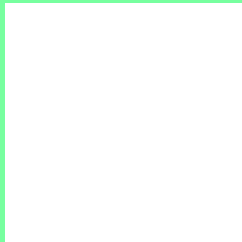
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9451, 0.2872, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 77.9451, 0.2872, 0.4511.

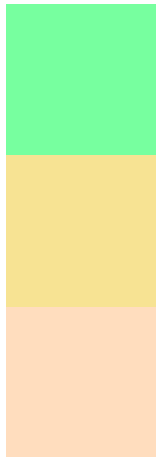


This preview shows how white text looks on a background with the Yxy color 77.9451, 0.2872, 0.4511.

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

77.9451, 0.2872, 0.4511

Protanopia

76.8189, 0.3810, 0.4117

Deuteranopia

76.6906, 0.3594, 0.3608



Tritanopia

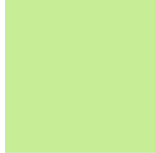
77.1685, 0.2614, 0.3110

Trichromacy



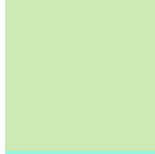
Original Color

77.9451, 0.2872, 0.4511



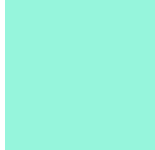
Protanomaly

75.0821, 0.3403, 0.4281



Deuteranomaly

74.6543, 0.3282, 0.3906



Tritanomaly

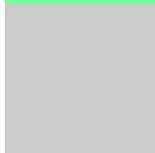
76.9562, 0.2710, 0.3586

Monochromacy



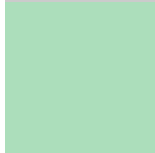
Original Color

77.9451, 0.2872, 0.4511



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6011, 0.3004, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9451, 0.2872, 0.4511 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(119, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 159)  
}
```

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(119, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 77.9451, 0.2872, 0.4511 is called "border". The border property can be set on classes, ids or directly on the HTML element.

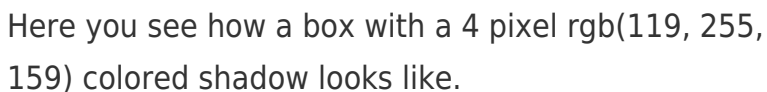
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 255, 159) }
```

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

```
.border{ border-color:rgb(119, 255, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9451, 0.2872, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 159) }
```

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

```
.background{ background-color: rgb(119,  
255, 159) }
```

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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