

Converting Colors

$Yxy(78.5188, 0.2916, 0.4514)$

Have a look what the booklet for
Yxy(78.5188, 0.2916, 0.4514)
contains.

Yxy(78.5006, 0.2913, 0.4511)	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(78.5006, 0.2913, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	7FFF9E
RGB	127, 255, 158
RGB Percent	50%, 100%, 62%
CMY	0.5017, 0.0000, 0.3804
CMYK	0.50, 0.00, 0.38, 0.00
HSL	135°, 100%, 75%
HSV	135°, 50%, 100%
XYZ	50.6921, 78.5006, 44.8277
YIQ	205.6700, -45.1510, -57.3030

Conversions

Conversions Part 2

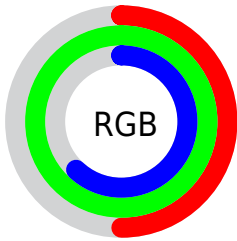
Format	Color
RYB	127, 230, 255
Decimal	8388510
CIELab	91.01, -55.76, 35.71
CIELCh	91, 66.215, 147.362
Yxy	78.5006, 0.2913, 0.4511
Android (android.graphics.Color)	4286578590 (0xFF7FFF9E)
YUV	205.6700, -23.5013, -68.9936
Hunter-Lab	88.6006, -52.9236, 32.0225

Details

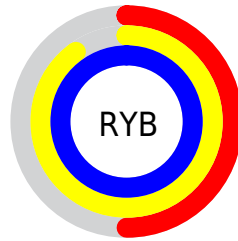
The Yxy color **78.5006, 0.2913, 0.4511** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.8434, 0.3471, 0.2331**, and the grayscale version is **61.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7632, 0.2946, 0.3758**, and **42.0424, 0.2836, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **76.1717, 0.2890, 0.4803**, and if you desaturate by 10%, it is **81.4362, 0.2947, 0.4226**.

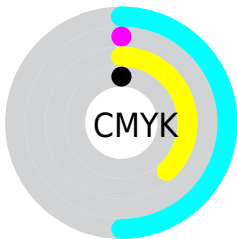
Distribution



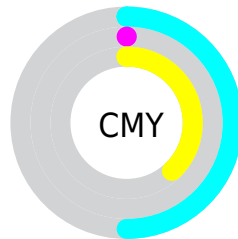
- Red (50%)
- Green (100%)
- Blue (62%)



- Red (50%)
- Yellow (90%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5006, 0.2913, 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 78.5006, 0.2913, 0.4511 by changing the saturation by 10% instead.


 78.5006, 0.2913,
0.4511


 78.5006, 0.2913,
0.4511


489.8653, 0.3034,
0.3913


 58.4853, 0.2880,
0.4655


 131.2556, 0.2959,
0.4298

 42.1989, 0.2836,
0.4835


 164.7640, 0.2976,
0.4216

 29.2571, 0.2775,
0.5069


 203.5390, 0.2990,
0.4147

 19.2754, 0.2687,
0.5381

247.9649, 0.3002,
0.4087

 11.8694, 0.2553,
0.5813

298.4260, 0.3011,
0.4035

 6.6548, 0.2331,
0.6441


355.3069, 0.3020,


 3.2472, 0.2055,


0.3990


0.7858


418.9918, 0.3027,
0.3949


 1.2621, 0.0000,
1.0000


 0.1116, 0.0000,
1.0000


 78.5006, 0.2913,
0.4511


 78.5006, 0.2913,
0.4511


 76.1717, 0.2890,
0.4803


 81.4362, 0.2947,
0.4226


 74.3968, 0.2879,
0.5089

 85.0074, 0.2987,
0.3957

 73.1302, 0.2884,
0.5353

 89.2529, 0.3032,
0.3710

 72.3139, 0.2903,
0.5578

 94.2055, 0.3079,
0.3489

 71.8612, 0.2931,
0.5752

99.8958, 0.3126,
0.3293

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



78.5006, 0.3655, 0.4720



78.5006, 0.2913, 0.4511



78.5006, 0.2269, 0.3798

Triad

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



78.5006, 0.2913, 0.4511



78.5006, 0.1999, 0.2145



78.5006, 0.4547, 0.3337

Complementary

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



78.5006, 0.2913, 0.4511



41.8434, 0.3471, 0.2331

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.



78.5006, 0.3986, 0.2805



78.5006, 0.2913, 0.4511



78.5006, 0.2477, 0.2151

Square

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



78.5006, 0.2913, 0.4511



78.5006, 0.1798, 0.2409



78.5006, 0.3195, 0.2387



78.5006, 0.4646, 0.3908

Rectangle

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



78.5006, 0.2913, 0.4511



78.5006, 0.1978, 0.3238



78.5006, 0.3195, 0.2387



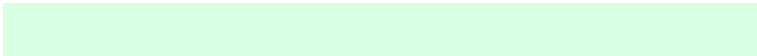
78.5006, 0.4404, 0.3152

Sweetspot

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



78.5038, 0.2913, 0.4511



91.7243, 0.3056, 0.3593



89.0829, 0.3656, 0.4607



19.4122, 0.3047, 0.3640



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.



78.5038, 0.2913, 0.4511



76.2085, 0.2890, 0.4798



81.2494, 0.2619, 0.3697



20.2402, 0.3082, 0.3475



37.5699, 0.2924, 0.5727



3.6743, 0.2866, 0.5518

Inverse Universe

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



41.8434, 0.3471, 0.2331



35.8253, 0.3562, 0.2176



39.0376, 0.4165, 0.2941



18.2209, 0.3175, 0.3112



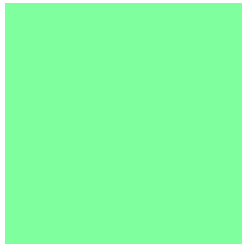
13.1536, 0.3936, 0.1942



1.2978, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 78.5006, 0.2913, 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 78.5006, 0.2913, 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

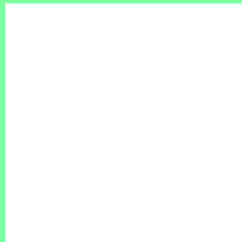
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5006, 0.2913, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 78.5006, 0.2913, 0.4511.

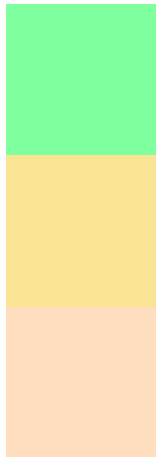


This preview shows how white text looks on a background with the Yxy color 78.5006, 0.2913, 0.4511.

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

78.5006, 0.2913, 0.4511

Protanopia

77.5498, 0.3814, 0.4124

Deuteranopia

77.3083, 0.3577, 0.3597



Tritanopia

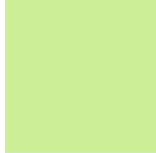
77.7237, 0.2639, 0.3112

Trichromacy



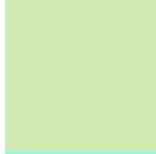
Original Color

78.5006, 0.2913, 0.4511



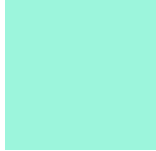
Protanomaly

76.2208, 0.3429, 0.4281



Deuteranomaly

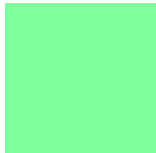
75.5508, 0.3288, 0.3902



Tritanomaly

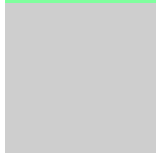
77.5400, 0.2740, 0.3584

Monochromacy



Original Color

78.5006, 0.2913, 0.4511



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3325, 0.3025, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5006, 0.2913, 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(127, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 158)  
}
```

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(127, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 78.5006, 0.2913, 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(127, 255, 158) }
```

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

```
.border{ border-color:rgb(127, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5006, 0.2913, 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(127, 255, 158) }
```

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

```
.background{ background-color: rgb(127,  
255, 158) }
```

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