

Converting Colors

$Y_{xy}(100.0000, 0.2912, 0.4643)$

Have a look what the booklet for
Yxy(100.0000, 0.2912, 0.4643)
contains.

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Color

Yxy(79.2966, 0.2899, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	85FFA7
RGB	133, 255, 167
RGB Percent	52%, 100%, 65%
CMY	0.4782, 0.0000, 0.3452
CMYK	0.48, 0.00, 0.35, 0.00
HSL	137°, 100%, 76%
HSV	137°, 48%, 100%
XYZ	52.4124, 79.2966, 49.0858
YIQ	208.4900, -44.4640, -53.2320

Conversions

Conversions Part 2

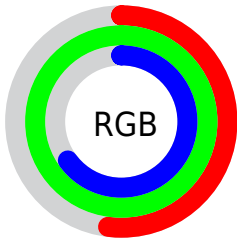
Format	Color
RYB	133, 228, 255
Decimal	8781735
CIELab	91.37, -52.78, 31.76
CIElCh	91, 61.599, 148.959
Yxy	79.2966, 0.2899, 0.4386
Android (android.graphics.Color)	4286971815 (0xFF85FFA7)
YUV	208.4900, -20.4546, -66.2047
Hunter-Lab	89.0486, -50.7733, 29.6519

Details

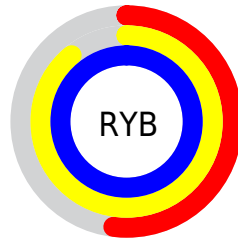
The Yxy color **79.2966, 0.2899, 0.4386** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.2773, 0.3493, 0.2411**, and the grayscale version is **63.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0542, 0.2927, 0.3639**, and **42.5251, 0.2822, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **76.8361, 0.2871, 0.4665**, and if you desaturate by 10%, it is **82.3644, 0.2938, 0.4117**.

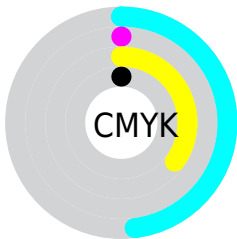
Distribution



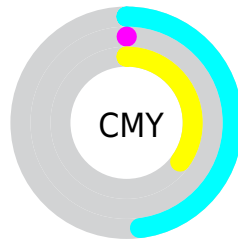
- Red (52%)
- Green (100%)
- Blue (65%)



- Red (52%)
- Yellow (89%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.2966, 0.2899, 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 79.2966, 0.2899, 0.4386 by changing the saturation by 10% instead.


 79.2966, 0.2899,
0.4386


 79.2966, 0.2899,
0.4386


492.5592, 0.3021,
0.3852


 59.1397, 0.2867,
0.4514


 132.3763, 0.2945,
0.4196

 42.7256, 0.2824,
0.4674


 166.0680, 0.2962,
0.4123

 29.6699, 0.2767,
0.4882


 205.0399, 0.2976,
0.4062

 19.5881, 0.2686,
0.5159

249.6767, 0.2988,
0.4008

 12.0960, 0.2565,
0.5546

300.3626, 0.2998,
0.3962

 6.8091, 0.2369,
0.6113


357.4820, 0.3007,


 3.3430, 0.2071,


0.3921


0.7168


421.4194, 0.3015,
0.3885

 1.3133, 0.0000,
1.0000


 0.1515, 0.0000,
1.0000

 79.2966, 0.2899,
0.4386

 79.2966, 0.2899,
0.4386

 76.8361, 0.2871,
0.4665


 82.3644, 0.2938,
0.4117


 74.9318, 0.2856,
0.4944

 86.0668, 0.2984,
0.3867

 73.5406, 0.2856,
0.5208

 90.4413, 0.3034,
0.3638

 72.6079, 0.2873,
0.5445

 95.5194, 0.3086,
0.3433

■ 72.0623, 0.2904,
0.5641

99.9995, 0.3127,
0.3290

■ 71.9732, 0.2911,
0.5678

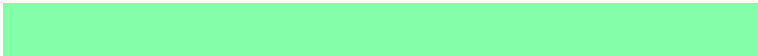
Harmonies

Analogous

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



79.2966, 0.3593, 0.4617



79.2966, 0.2899, 0.4386



79.2966, 0.2303, 0.3720

Triad

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



79.2966, 0.2899, 0.4386



79.2966, 0.2087, 0.2212



79.2966, 0.4460, 0.3372

Complementary

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



79.2966, 0.2899, 0.4386



43.2773, 0.3493, 0.2411

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.



79.2966, 0.3960, 0.2864



79.2966, 0.2899, 0.4386



79.2966, 0.2553, 0.2227

Square

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



79.2966, 0.2899, 0.4386



79.2966, 0.1883, 0.2452



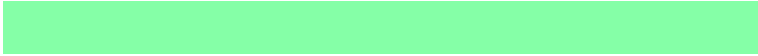
79.2966, 0.3233, 0.2460



79.2966, 0.4535, 0.3910

Rectangle

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



79.2966, 0.2899, 0.4386



79.2966, 0.2037, 0.3209



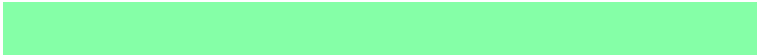
79.2966, 0.3233, 0.2460



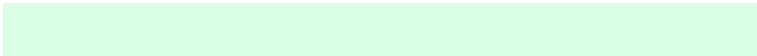
79.2966, 0.4335, 0.3196

Sweetspot

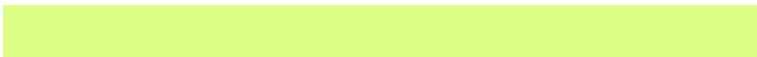
The Sweet Spot groups the original color and five complimentary colors.



79.2999, 0.2899, 0.4386



92.2965, 0.3054, 0.3557



88.8205, 0.3608, 0.4561



19.5282, 0.3043, 0.3602



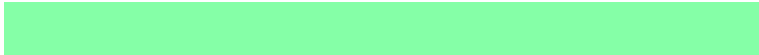
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

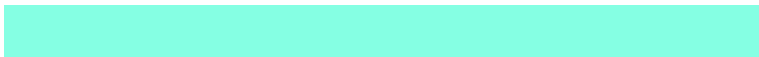
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2999, 0.2899, 0.4386



77.0167, 0.2872, 0.4642



82.0321, 0.2618, 0.3624



20.2512, 0.3077, 0.3466



37.6294, 0.2903, 0.5650



3.6814, 0.2842, 0.5432

Inverse Universe

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



43.2773, 0.3493, 0.2411



37.2214, 0.3590, 0.2265



40.6432, 0.4138, 0.2997



18.2091, 0.3181, 0.3120



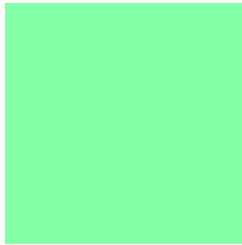
12.9458, 0.4067, 0.2014



1.2791, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 79.2966, 0.2899, 0.4386 looks on a white background.

Color Contrast Check

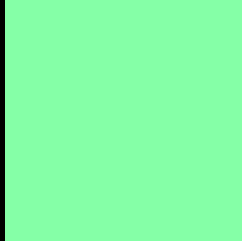
Large Text (above 18pt) WCAG AA × Fail

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 79.2966, 0.2899, 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 79.2966, 0.2899, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 79.2966, 0.2899, 0.4386.

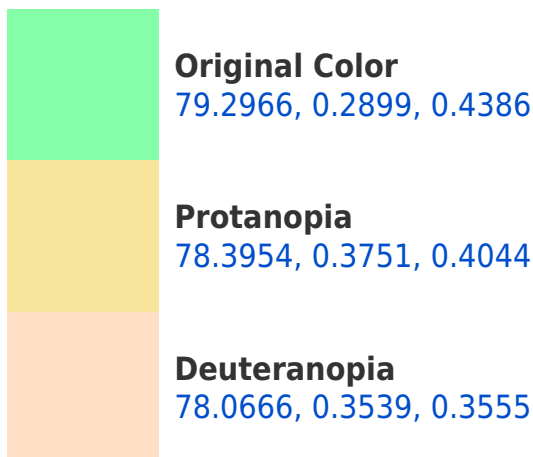


This preview shows how white text looks on a background with the Yxy color 79.2966, 0.2899, 0.4386.

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





Tritanopia

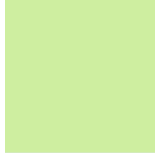
78.8873, 0.2667, 0.3124

Trichromacy



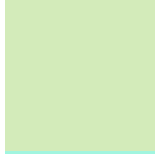
Original Color

79.2966, 0.2899, 0.4386



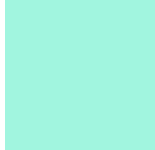
Protanomaly

76.8089, 0.3390, 0.4175



Deuteranomaly

76.8107, 0.3270, 0.3839



Tritanomaly

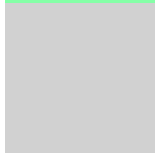
78.2096, 0.2750, 0.3545

Monochromacy



Original Color

79.2966, 0.2899, 0.4386



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.1115, 0.3021, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2966, 0.2899, 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(133, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 167)  
}
```

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(133, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 79.2966, 0.2899, 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(133, 255, 167) }
```

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

```
.border{ border-color:rgb(133, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2966, 0.2899, 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(133, 255, 167) }
```

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

```
.background{ background-color: rgb(133,  
255, 167) }
```

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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