

Converting Colors

$Yxy(77.0847, 0.2960, 0.4281)$

Have a look what the booklet for
Yxy(77.0847, 0.2960, 0.4281)
contains.

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Color

Yxy(76.9118, 0.2963, 0.4279)

Conversions

Conversions Part 1

Format	Color
Hex	94F9A9
RGB	148, 249, 169
RGB Percent	58%, 98%, 66%
CMY	0.4194, 0.0235, 0.3373
CMYK	0.41, 0.00, 0.32, 0.02
HSL	132°, 89%, 78%
HSV	132°, 41%, 98%
XYZ	53.2577, 76.9118, 49.5730
YIQ	209.6810, -34.5160, -46.2920

Conversions

Conversions Part 2

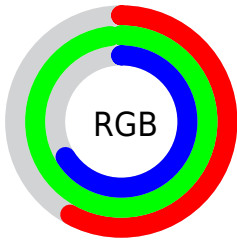
Format	Color
RYB	148, 232, 249
Decimal	9763241
CIELab	90.28, -45.90, 29.38
CIELCh	90, 54.498, 147.373
Yxy	76.9118, 0.2963, 0.4279
Android (android.graphics.Color)	4287953321 (0xFF94F9A9)
YUV	209.6810, -20.0557, -54.0942
Hunter-Lab	87.6994, -45.0752, 27.8753

Details

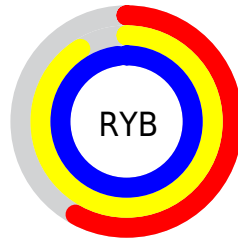
The Yxy color **76.9118, 0.2963, 0.4279** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.9429, 0.3356, 0.2474**, and the grayscale version is **64.3900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0781, 0.2997, 0.3609**, and **41.1844, 0.2905, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **74.1501, 0.2933, 0.4577**, and if you desaturate by 10%, it is **80.2912, 0.3000, 0.3997**.

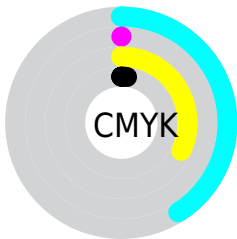
Distribution



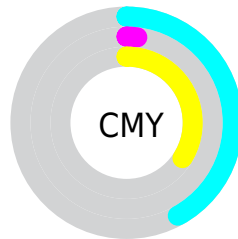
- Red (58%)
- Green (98%)
- Blue (66%)



- Red (58%)
- Yellow (91%)
- Blue (98%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (42%)
- Magenta (2%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9118, 0.2963, 0.4279 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 76.9118, 0.2963, 0.4279 by changing the saturation by 10% instead.


 76.9118, 0.2963,
0.4279


 76.9118, 0.2963,
0.4279

484.4633, 0.3053,
0.3798

 57.1805, 0.2939,
0.4394


 129.0150, 0.2997,
0.4108

 41.1502, 0.2906,
0.4540


 162.1556, 0.3010,
0.4042

 28.4364, 0.2862,
0.4727


200.5348, 0.3020,
0.3986

 18.6549, 0.2798,
0.4979

244.5370, 0.3029,
0.3938

 11.4212, 0.2701,
0.5332

294.5466, 0.3036,
0.3896

 6.3509, 0.2539,
0.5854


350.9478, 0.3043,


 3.0596, 0.2291,


0.3860


0.6836


414.1253, 0.3049,
0.3827


 1.1629, 0.0000,
1.0000


 0.0311, 0.0000,
1.0000


 76.9118, 0.2963,
0.4279

 76.9118, 0.2963,
0.4279


 74.1501, 0.2933,
0.4577


 80.2912, 0.3000,
0.3997


 71.9592, 0.2911,
0.4879


 84.3128, 0.3041,
0.3739


 70.3008, 0.2902,
0.5172

 89.0115, 0.3083,
0.3506

 69.1277, 0.2907,
0.5436

 94.4166, 0.3125,
0.3300

 68.3840, 0.2924,
0.5655

 96.2288, 0.3130,
0.3233

 67.9936, 0.2948,
0.5812

Harmonies

Analogous

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



76.9118, 0.3589, 0.4471



76.9118, 0.2963, 0.4279



76.9118, 0.2413, 0.3710

Triad

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



76.9118, 0.2963, 0.4279



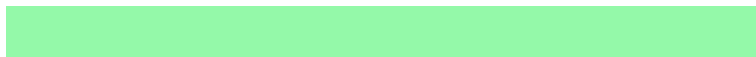
76.9118, 0.2169, 0.2320



76.9118, 0.4304, 0.3350

Complementary

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



76.9118, 0.2963, 0.4279



46.9429, 0.3356, 0.2474

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.



76.9118, 0.3842, 0.2886



76.9118, 0.2963, 0.4279



76.9118, 0.2585, 0.2318

Square

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



76.9118, 0.2963, 0.4279



76.9118, 0.1993, 0.2559



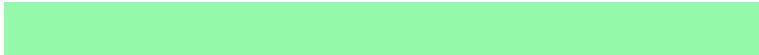
76.9118, 0.3191, 0.2521



76.9118, 0.4399, 0.3841

Rectangle

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



76.9118, 0.2963, 0.4279



76.9118, 0.2158, 0.3260



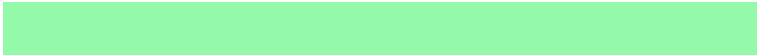
76.9118, 0.3191, 0.2521



76.9118, 0.4185, 0.3189

Sweetspot

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



76.9150, 0.2963, 0.4279



93.1865, 0.3076, 0.3539



86.5155, 0.3592, 0.4348



19.8010, 0.3071, 0.3568



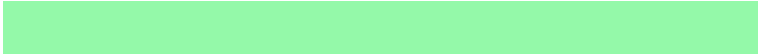
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.9150, 0.2963, 0.4279



78.6690, 0.2937, 0.4532



79.1500, 0.2712, 0.3648



19.3681, 0.3087, 0.3483



36.4137, 0.2941, 0.5789



3.3872, 0.2884, 0.5581

Inverse Universe

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



46.9429, 0.3356, 0.2474



42.9002, 0.3419, 0.2314



44.5663, 0.3845, 0.2968



17.4593, 0.3170, 0.3104



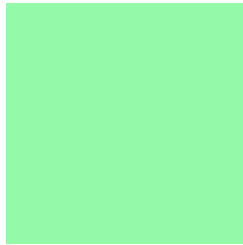
12.9682, 0.3816, 0.1876



1.2161, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 76.9118, 0.2963, 0.4279 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 76.9118, 0.2963, 0.4279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

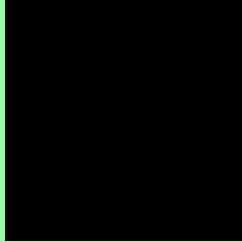
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9118, 0.2963, 0.4279

Background



This preview shows how black text looks on a background with the Yxy color 76.9118, 0.2963, 0.4279.



This preview shows how white text looks on a background with the Yxy color 76.9118, 0.2963, 0.4279.

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

76.9118, 0.2963, 0.4279

Protanopia

76.1290, 0.3712, 0.3993

Deuteranopia

75.6846, 0.3591, 0.3578



Tritanopia

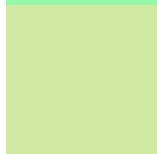
76.5590, 0.2637, 0.3089

Trichromacy



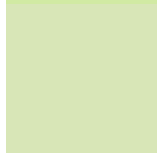
Original Color

76.9118, 0.2963, 0.4279



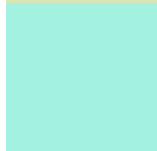
Protanomaly

75.0453, 0.3402, 0.4096



Deuteranomaly

74.6115, 0.3332, 0.3816



Tritanomaly

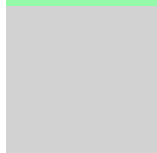
76.0789, 0.2751, 0.3488

Monochromacy



Original Color

76.9118, 0.2963, 0.4279



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.8162, 0.3056, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9118, 0.2963, 0.4279 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(148, 249, 169)` looks like.

```
.text, #text, p{  
    color:rgb(148, 249, 169)  
}
```

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(148, 249, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 249, 169) }
```

Border

The CSS property to change the border of an element to Yxy 76.9118, 0.2963, 0.4279 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(148, 249, 169) }
```

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

```
.border{ border-color:rgb(148, 249, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 249, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 249, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 249, 169); box-shadow:4px 4px 4px 4px rgb(148, 249, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9118, 0.2963, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 249, 169) }
```

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

```
.background{ background-color: rgb(148,  
249, 169) }
```

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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