

Converting Colors

$Yxy(77.9757, 0.2932, 0.4616)$

Have a look what the booklet for
Yxy(77.9757, 0.2932, 0.4616)
contains.

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Color

Yxy(78.0071, 0.2936, 0.4619)

Conversions

Conversions Part 1

Format	Color
Hex	7CFF96
RGB	124, 255, 150
RGB Percent	49%, 100%, 59%
CMY	0.5134, 0.0000, 0.4118
CMYK	0.51, 0.00, 0.41, 0.00
HSL	132°, 100%, 74%
HSV	132°, 51%, 100%
XYZ	49.5841, 78.0071, 41.2919
YIQ	203.8610, -44.3710, -60.4270

Conversions

Conversions Part 2

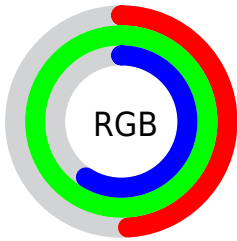
Format	Color
RYB	124, 233, 255
Decimal	8191894
CIELab	90.78, -57.77, 39.34
CIELCh	91, 69.892, 145.742
Yxy	78.0071, 0.2936, 0.4619
Android (android.graphics.Color)	4286381974 (0xFF7CFF96)
YUV	203.8610, -26.5535, -70.0381
Hunter-Lab	88.3216, -54.3523, 34.1060

Details

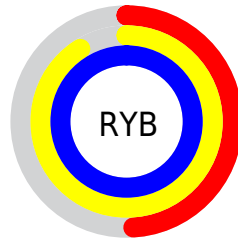
The Yxy color **78.0071, 0.2936, 0.4619** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.3549, 0.3424, 0.2262**, and the grayscale version is **60.4952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1181, 0.2977, 0.3853**, and **41.7750, 0.2856, 0.4964** is the 20% darker color. If you saturate the color by 10%, you get **75.7461, 0.2916, 0.4924**, and if you desaturate by 10%, it is **80.8807, 0.2965, 0.4317**.

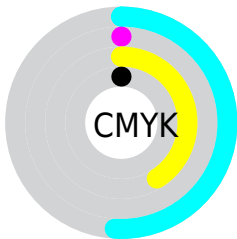
Distribution



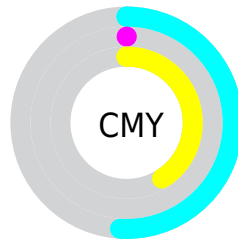
- Red (49%)
- Green (100%)
- Blue (59%)



- Red (49%)
- Yellow (91%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0071, 0.2936, 0.4619 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 78.0071, 0.2936, 0.4619 by changing the saturation by 10% instead.


 78.0071, 0.2936,
0.4619

 78.0071, 0.2936,
0.4619


488.1909, 0.3051,
0.3966


 58.0798, 0.2903,
0.4776


 130.5601, 0.2981,
0.4386

 41.8728, 0.2858,
0.4974


 163.9547, 0.2997,
0.4297

 29.0017, 0.2795,
0.5229


 202.6071, 0.3010,
0.4221

 19.0821, 0.2703,
0.5568

246.9017, 0.3021,
0.4156

 11.7296, 0.2558,
0.6036

297.2231, 0.3030,
0.4099

 6.5599, 0.2315,
0.6704


353.9554, 0.3038,


 3.1884, 0.1959,


0.4049

0.8041

417.4833, 0.3045,
0.4005

 1.2309, 0.0000,
1.0000


 0.0867, 0.0000,
1.0000

 78.0071, 0.2936,
0.4619


 78.0071, 0.2936,
0.4619

 75.7461, 0.2916,
0.4924


 80.8807, 0.2965,
0.4317


 74.0434, 0.2908,
0.5217


 84.3974, 0.3001,
0.4029


 72.8513, 0.2913,
0.5478

 88.5970, 0.3040,
0.3765

 72.1091, 0.2931,
0.5691

 93.5133, 0.3081,
0.3527

 71.7525, 0.2952,
0.5829

 99.1779, 0.3122,
0.3316

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



78.0071, 0.3715, 0.4797



78.0071, 0.2936, 0.4619



78.0071, 0.2251, 0.3876

Triad

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



78.0071, 0.2936, 0.4619



78.0071, 0.1925, 0.2096



78.0071, 0.4607, 0.3300

Complementary

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



78.0071, 0.2936, 0.4619



41.3549, 0.3424, 0.2262

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.



78.0071, 0.3992, 0.2751



78.0071, 0.2936, 0.4619



78.0071, 0.2407, 0.2091

Square

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



78.0071, 0.2936, 0.4619



78.0071, 0.1733, 0.2383



78.0071, 0.3150, 0.2325



78.0071, 0.4735, 0.3895

Rectangle

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



78.0071, 0.2936, 0.4619



78.0071, 0.1938, 0.3276



78.0071, 0.3150, 0.2325



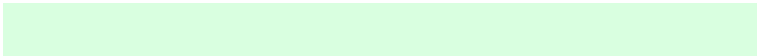
78.0071, 0.4449, 0.3109

Sweetspot

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



78.0103, 0.2936, 0.4619



91.6327, 0.3066, 0.3611



89.9632, 0.3711, 0.4614



19.3904, 0.3057, 0.3661



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.



78.0103, 0.2936, 0.4619



75.6195, 0.2915, 0.4944



80.6401, 0.2640, 0.3791



20.2269, 0.3088, 0.3486



37.5098, 0.2946, 0.5806



3.6667, 0.2893, 0.5613

Inverse Universe

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



41.3549, 0.3424, 0.2262



35.1567, 0.3506, 0.2092



38.4293, 0.4124, 0.2866



18.2351, 0.3168, 0.3101



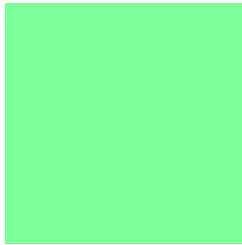
13.4217, 0.3785, 0.1859



1.3218, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 78.0071, 0.2936, 0.4619 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 78.0071, 0.2936, 0.4619 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

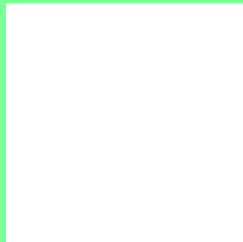
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0071, 0.2936, 0.4619

Background



This preview shows how black text looks on a background with the Yxy color 78.0071, 0.2936, 0.4619.

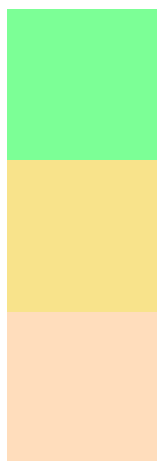


This preview shows how white text looks on a background with the Yxy color 78.0071, 0.2936, 0.4619.

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

78.0071, 0.2936, 0.4619

Protanopia

76.7587, 0.3869, 0.4192

Deuteranopia

76.6037, 0.3608, 0.3628



Tritanopia

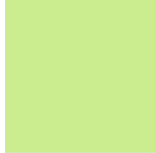
77.3880, 0.2624, 0.3111

Trichromacy



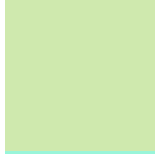
Original Color

78.0071, 0.2936, 0.4619



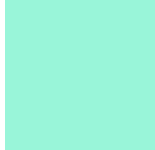
Protanomaly

75.2481, 0.3471, 0.4363



Deuteranomaly

74.5992, 0.3320, 0.3963



Tritanomaly

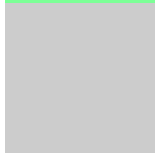
77.0869, 0.2740, 0.3622

Monochromacy



Original Color

78.0071, 0.2936, 0.4619



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3500, 0.3043, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0071, 0.2936, 0.4619 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 78.0071, 0.2936, 0.4619 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, 150) }
```

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

```
.border{ border-color:rgb(124, 255, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0071, 0.2936, 0.4619 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, 150) }
```

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

```
.background{ background-color: rgb(124,  
255, 150) }
```

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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