

Converting Colors

$Yxy(78.3300, 0.3028, 0.4743)$

Have a look what the booklet for
Yxy(78.3300, 0.3028, 0.4743)
contains.

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Color

Yxy(78.3706, 0.3029, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	85FF8B
RGB	133, 255, 139
RGB Percent	52%, 100%, 55%
CMY	0.4785, 0.0000, 0.4549
CMYK	0.48, 0.00, 0.45, 0.00
HSL	123°, 100%, 76%
HSV	123°, 48%, 100%
XYZ	50.0917, 78.3706, 36.9114
YIQ	205.2980, -35.4760, -61.9400

Conversions

Conversions Part 2

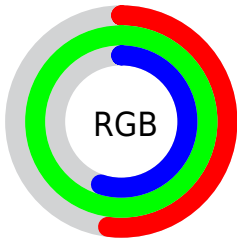
Format	Color
RYB	133, 249, 255
Decimal	8781707
CIELab	90.95, -57.11, 44.94
CIElCh	91, 72.674, 141.801
Yxy	78.3706, 0.3029, 0.4739
Android (android.graphics.Color)	4286971787 (0xFF85FF8B)
YUV	205.2980, -32.6849, -63.4053
Hunter-Lab	88.5272, -53.9212, 37.2480

Details

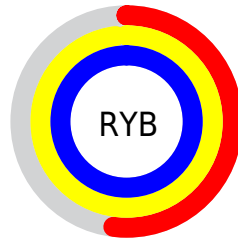
The Yxy color **78.3706, 0.3029, 0.4739** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.8718, 0.3233, 0.2174**, and the grayscale version is **61.4768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6215, 0.3083, 0.3972**, and **41.9821, 0.2968, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **75.9085, 0.3012, 0.5084**, and if you desaturate by 10%, it is **81.4921, 0.3049, 0.4391**.

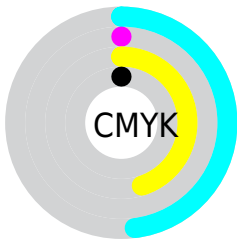
Distribution



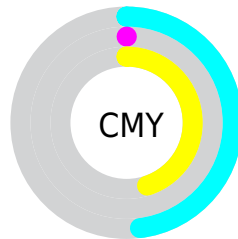
- Red (52%)
- Green (100%)
- Blue (55%)



- Red (52%)
- Yellow (98%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3706, 0.3029, 0.4739 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 78.3706, 0.3029, 0.4739 by changing the saturation by 10% instead.


 78.3706, 0.3029,
0.4739


 78.3706, 0.3029,
0.4739


489.4245, 0.3107,
0.4028


 58.3785, 0.3002,
0.4909


 131.0724, 0.3063,
0.4486

 42.1130, 0.2964,
0.5121


 164.5509, 0.3074,
0.4389

 29.1898, 0.2908,
0.5394


 203.2936, 0.3083,
0.4307

 19.2244, 0.2821,
0.5752

247.6849, 0.3090,
0.4236

 11.8326, 0.2679,
0.6238

298.1093, 0.3095,
0.4174

 6.6298, 0.2440,
0.6943


354.9511, 0.3100,


 3.2317, 0.2004,


0.4119

0.7996


418.5947, 0.3104,
0.4071

 1.2538, 0.0000,
1.0000

 0.1050, 0.0000,
1.0000


 78.3706, 0.3029,
0.4739


 78.3706, 0.3029,
0.4739


 75.9085, 0.3012,
0.5084

 81.4921, 0.3049,
0.4391


 74.0604, 0.2999,
0.5403

 85.3181, 0.3070,
0.4059

 72.7715, 0.2991,
0.5668

 89.8871, 0.3092,
0.3753

 71.9785, 0.2990,
0.5858

 95.2355, 0.3112,
0.3481

■ 71.5984, 0.2994,
0.5965

100.0000, 0.3127,
0.3290

■ 71.5479, 0.2994,
0.5979

Harmonies

Analogous

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



78.3706, 0.3830, 0.4829



78.3706, 0.3029, 0.4739



78.3706, 0.2298, 0.4021

Triad

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



78.3706, 0.3029, 0.4739



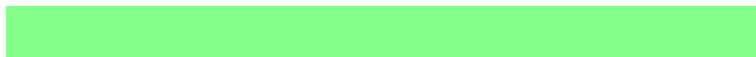
78.3706, 0.1845, 0.2078



78.3706, 0.4605, 0.3216

Complementary

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



78.3706, 0.3029, 0.4739



44.8718, 0.3233, 0.2174

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.



78.3706, 0.3914, 0.2666



78.3706, 0.3029, 0.4739



78.3706, 0.2300, 0.2040

Square

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



78.3706, 0.3029, 0.4739



78.3706, 0.1686, 0.2413



78.3706, 0.3036, 0.2250



78.3706, 0.4806, 0.3825

Rectangle

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



78.3706, 0.3029, 0.4739



78.3706, 0.1949, 0.3391



78.3706, 0.3036, 0.2250



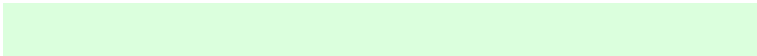
78.3706, 0.4419, 0.3023

Sweetspot

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



78.3699, 0.3029, 0.4739



91.8502, 0.3100, 0.3644



93.7100, 0.3806, 0.4472



19.4210, 0.3095, 0.3705



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.



78.3699, 0.3029, 0.4739



76.0924, 0.3013, 0.5056



80.5860, 0.2750, 0.3983



20.1827, 0.3109, 0.3523



37.3914, 0.2992, 0.5970



3.6455, 0.2972, 0.5900

Inverse Universe

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



44.8718, 0.3233, 0.2174



39.1041, 0.3255, 0.1998



41.7473, 0.3818, 0.2706



18.2840, 0.3146, 0.3067



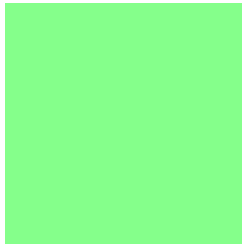
14.4793, 0.3337, 0.1612



1.4144, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 78.3706, 0.3029, 0.4739 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 78.3706, 0.3029, 0.4739 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 78.3706, 0.3029, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 78.3706, 0.3029, 0.4739.

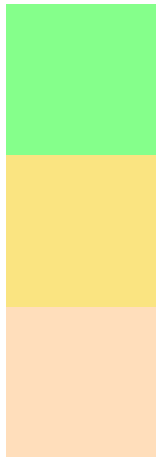


This preview shows how white text looks on a background with the Yxy color 78.3706, 0.3029, 0.4739.

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

78.3706, 0.3029, 0.4739

Protanopia

77.3958, 0.3941, 0.4288

Deuteranopia

77.0904, 0.3613, 0.3649



Tritanopia

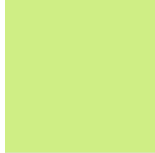
77.9517, 0.2650, 0.3112

Trichromacy



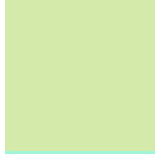
Original Color

78.3706, 0.3029, 0.4739



Protanomaly

76.1079, 0.3554, 0.4468



Deuteranomaly

75.5968, 0.3373, 0.4012



Tritanomaly

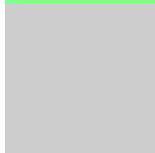
77.4798, 0.2791, 0.3668

Monochromacy



Original Color

78.3706, 0.3029, 0.4739



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6953, 0.3089, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3706, 0.3029, 0.4739 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 139) }
```

Border

The CSS property to change the border of an element to Yxy 78.3706, 0.3029, 0.4739 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, 139) }
```

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

```
.border{ border-color:rgb(133, 255, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3706, 0.3029, 0.4739 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, 139) }
```

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

```
.background{ background-color: rgb(133,  
255, 139) }
```

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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