

Converting Colors

$Yxy(78.0921, 0.3065, 0.4842)$

Have a look what the booklet for
Yxy(78.0921, 0.3065, 0.4842)
contains.

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Color

Yxy(78.1183, 0.3069, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	85FF82
RGB	133, 255, 130
RGB Percent	52%, 100%, 51%
CMY	0.4784, 0.0000, 0.4902
CMYK	0.48, 0.00, 0.49, 0.00
HSL	119°, 100%, 75%
HSV	119°, 49%, 100%
XYZ	49.4626, 78.1183, 33.5875
YIQ	204.2720, -32.5870, -64.7390

Conversions

Conversions Part 2

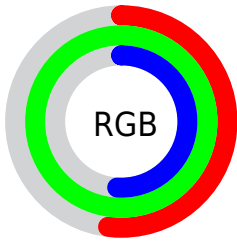
Format	Color
RYB	130, 255, 252
Decimal	8781698
CIELab	90.83, -58.31, 49.06
CIELCh	91, 76.208, 139.926
Yxy	78.1183, 0.3069, 0.4847
Android (android.graphics.Color)	4286971778 (0xFF85FF82)
YUV	204.2720, -36.6161, -62.5055
Hunter-Lab	88.3846, -54.7792, 39.3381

Details

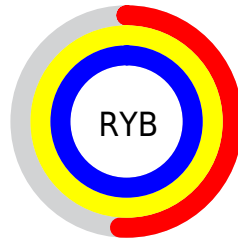
The Yxy color **78.1183, 0.3069, 0.4847** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **43.8769, 0.3156, 0.2093**, and the grayscale version is **60.8170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2293, 0.3132, 0.4076**, and **41.8079, 0.3005, 0.5256** is the 20% darker color. If you saturate the color by 10%, you get **75.7254, 0.3053, 0.5197**, and if you desaturate by 10%, it is **81.1615, 0.3084, 0.4486**.

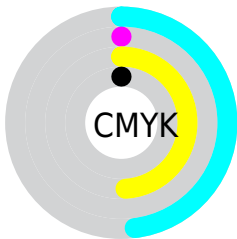
Distribution



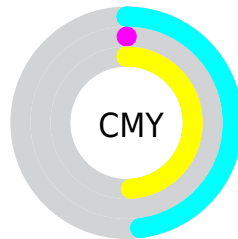
- Red (52%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (99%)



- Cyan (48%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1183, 0.3069, 0.4847 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 78.1183, 0.3069, 0.4847 by changing the saturation by 10% instead.


 78.1183, 0.3069,
0.4847


 78.1183, 0.3069,
0.4847


488.5685, 0.3134,
0.4083


 58.1712, 0.3043,
0.5029

 130.7169, 0.3100,
0.4575

 41.9463, 0.3005,
0.5256


 164.1371, 0.3110,
0.4471

 29.0592, 0.2948,
0.5545


 202.8171, 0.3117,
0.4383

 19.1256, 0.2856,
0.5923

247.1414, 0.3122,
0.4306

 11.7611, 0.2702,
0.6427

297.4943, 0.3127,
0.4239

 6.5812, 0.2467,
0.7218


354.2602, 0.3130,


 3.2016, 0.1936,


0.4181


0.8064

417.8234, 0.3132,
0.4129


 1.2379, 0.0000,
1.0000


 0.0923, 0.0000,
1.0000

 78.1183, 0.3069,
0.4847


 78.1183, 0.3069,
0.4847


 75.7254, 0.3053,
0.5197


 81.1615, 0.3084,
0.4486


 73.9343, 0.3037,
0.5509

 84.8962, 0.3098,
0.4137

 72.6918, 0.3022,
0.5755

 89.3616, 0.3110,
0.3813

 71.9349, 0.3011,
0.5916

 94.5938, 0.3120,
0.3522

■ 71.5808, 0.3004,
0.5992

100.0000, 0.3127,
0.3290

■ 71.5597, 0.3003,
0.5997

Harmonies

Analogous

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



78.1183, 0.3901, 0.4885



78.1183, 0.3069, 0.4847



78.1183, 0.2297, 0.4121

Triad

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



78.1183, 0.3069, 0.4847



78.1183, 0.1774, 0.2039



78.1183, 0.4646, 0.3168

Complementary

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



78.1183, 0.3069, 0.4847



43.8769, 0.3156, 0.2093

Split Complementary

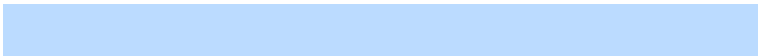
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1183, 0.3895, 0.2606



78.1183, 0.3069, 0.4847



78.1183, 0.2224, 0.1985

Square

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



78.1183, 0.3069, 0.4847



78.1183, 0.1628, 0.2402



78.1183, 0.2974, 0.2188



78.1183, 0.4887, 0.3795

Rectangle

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



78.1183, 0.3069, 0.4847



78.1183, 0.1924, 0.3453



78.1183, 0.2974, 0.2188



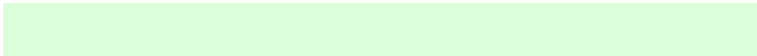
78.1183, 0.4440, 0.2970

Sweetspot

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



78.1188, 0.3069, 0.4847



91.3717, 0.3114, 0.3692



91.7617, 0.3868, 0.4452



19.3284, 0.3112, 0.3755



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

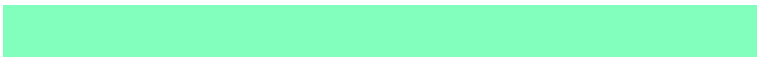
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1188, 0.3069, 0.4847



75.7299, 0.3053, 0.5196



79.9105, 0.2783, 0.4112



20.1890, 0.3119, 0.3536



37.4005, 0.3005, 0.5996



3.6486, 0.3017, 0.5987

Inverse Universe

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



43.8769, 0.3156, 0.2093



37.8103, 0.3159, 0.1896



41.2398, 0.3752, 0.2611



18.2767, 0.3134, 0.3056



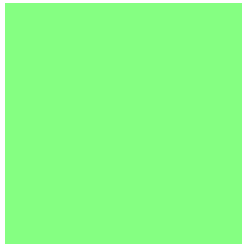
14.2920, 0.3149, 0.1508



1.3984, 0.3156, 0.1512

Previews

White Background



This preview shows how the Yxy color 78.1183, 0.3069, 0.4847 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 78.1183, 0.3069, 0.4847 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

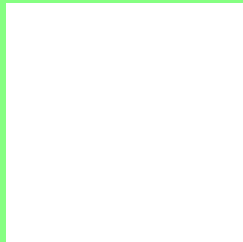
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1183, 0.3069, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 78.1183, 0.3069, 0.4847.



This preview shows how white text looks on a background with the Yxy color 78.1183, 0.3069, 0.4847.

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

78.1183, 0.3069, 0.4847

Protanopia

76.6182, 0.3999, 0.4359

Deuteranopia

77.0053, 0.3627, 0.3669



Tritanopia

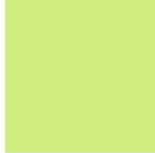
77.2533, 0.2643, 0.3101

Trichromacy



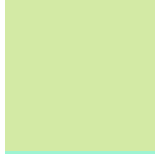
Original Color

78.1183, 0.3069, 0.4847



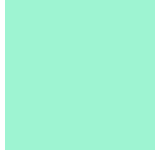
Protanomaly

75.2890, 0.3607, 0.4552



Deuteranomaly

75.4111, 0.3404, 0.4069



Tritanomaly

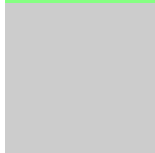
76.6236, 0.2800, 0.3694

Monochromacy



Original Color

78.1183, 0.3069, 0.4847



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4147, 0.3107, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1183, 0.3069, 0.4847 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 78.1183, 0.3069, 0.4847 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, 130) }
```

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

```
.border{ border-color:rgb(133, 255, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1183, 0.3069, 0.4847 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, 130) }
```

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

```
.background{ background-color: rgb(133,  
255, 130) }
```

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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