

Converting Colors

$Yxy(81.1481, 0.2916, 0.4508)$

Have a look what the booklet for
Yxy(81.1481, 0.2916, 0.4508)
contains.

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Color

Yxy(78.8039, 0.2917, 0.4481)

Conversions

Conversions Part 1

Format	Color
Hex	82FFA0
RGB	130, 255, 160
RGB Percent	51%, 100%, 63%
CMY	0.4906, 0.0000, 0.3726
CMYK	0.49, 0.00, 0.37, 0.00
HSL	134°, 100%, 75%
HSV	134°, 49%, 100%
XYZ	51.2990, 78.8039, 45.7594
YIQ	206.7950, -44.0050, -56.0450

Conversions

Conversions Part 2

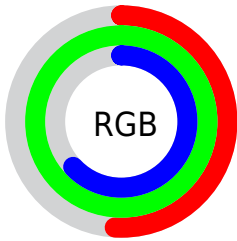
Format	Color
RYB	130, 231, 255
Decimal	8585120
CIELab	91.15, -54.74, 34.93
CIElCh	91, 64.933, 147.462
Yxy	78.8039, 0.2917, 0.4481
Android (android.graphics.Color)	4286775200 (0xFF82FFA0)
YUV	206.7950, -23.0699, -67.3492
Hunter-Lab	88.7716, -52.1992, 31.5777

Details

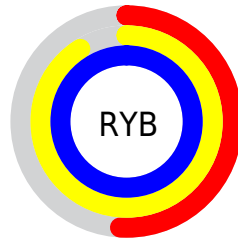
The Yxy color **78.8039, 0.2917, 0.4481** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.6308, 0.3459, 0.2349**, and the grayscale version is **62.4095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2451, 0.2952, 0.3732**, and **42.2230, 0.2842, 0.4800** is the 20% darker color. If you saturate the color by 10%, you get **76.3992, 0.2892, 0.4773**, and if you desaturate by 10%, it is **81.7977, 0.2951, 0.4196**.

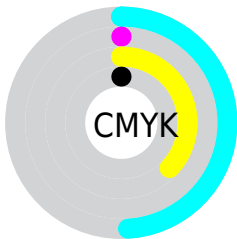
Distribution



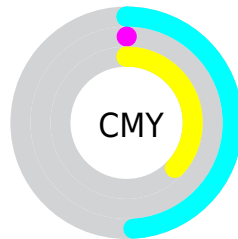
- Red (51%)
- Green (100%)
- Blue (63%)



- Red (51%)
- Yellow (91%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8039, 0.2917, 0.4481 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 78.8039, 0.2917, 0.4481 by changing the saturation by 10% instead.


 78.8039, 0.2917,
0.4481


 78.8039, 0.2917,
0.4481


490.8927, 0.3035,
0.3899


 58.7346, 0.2885,
0.4621

 131.6828, 0.2962,
0.4273

 42.3995, 0.2842,
0.4796


 165.2611, 0.2978,
0.4194

 29.4142, 0.2783,
0.5023


 204.1112, 0.2992,
0.4127

 19.3944, 0.2699,
0.5326

248.6176, 0.3003,
0.4069

 11.9556, 0.2570,
0.5747

299.1645, 0.3013,
0.4018

 6.7135, 0.2357,
0.6358


356.1364, 0.3021,


 3.2836, 0.2078,


0.3973


0.7671


419.9176, 0.3028,
0.3934

 1.2815, 0.0000,
1.0000


 0.1268, 0.0000,
1.0000


 78.8039, 0.2917,
0.4481

 78.8039, 0.2917,
0.4481


 76.3992, 0.2892,
0.4773

 81.7977, 0.2951,
0.4196


 74.5649, 0.2881,
0.5061

 85.4428, 0.2993,
0.3929

 73.2450, 0.2884,
0.5328

 89.7663, 0.3038,
0.3685

 72.3827, 0.2901,
0.5558

 94.8008, 0.3085,
0.3466

■ 71.8962, 0.2929,
0.5740

100.0000, 0.3127,
0.3290

■ 71.8605, 0.2932,
0.5755

Harmonies

Analogous

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



78.8039, 0.3646, 0.4690



78.8039, 0.2917, 0.4481



78.8039, 0.2284, 0.3785

Triad

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



78.8039, 0.2917, 0.4481



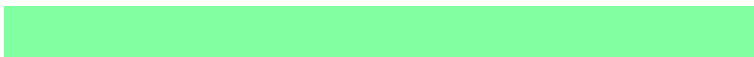
78.8039, 0.2020, 0.2165



78.8039, 0.4519, 0.3341

Complementary

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



78.8039, 0.2917, 0.4481



42.6308, 0.3459, 0.2349

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.



78.8039, 0.3971, 0.2817



78.8039, 0.2917, 0.4481



78.8039, 0.2492, 0.2171

Square

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



78.8039, 0.2917, 0.4481



78.8039, 0.1821, 0.2426



78.8039, 0.3197, 0.2404



78.8039, 0.4616, 0.3903

Rectangle

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



78.8039, 0.2917, 0.4481



78.8039, 0.1998, 0.3238



78.8039, 0.3197, 0.2404



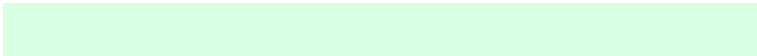
78.8039, 0.4380, 0.3159

Sweetspot

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



78.7959, 0.2917, 0.4481



91.7217, 0.3057, 0.3593



89.2673, 0.3647, 0.4580



19.4116, 0.3047, 0.3641



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.



78.7959, 0.2917, 0.4481



76.4113, 0.2893, 0.4772



81.5128, 0.2627, 0.3686



20.2398, 0.3083, 0.3476



37.5680, 0.2925, 0.5729



3.6741, 0.2867, 0.5521

Inverse Universe

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



42.6308, 0.3459, 0.2349



36.3764, 0.3551, 0.2189



39.8532, 0.4130, 0.2947



18.2213, 0.3175, 0.3111



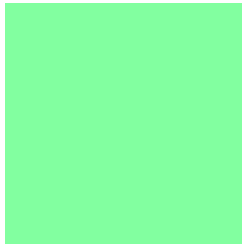
13.1609, 0.3931, 0.1939



1.2985, 0.3831, 0.1884

Previews

White Background



This preview shows how the Yxy color 78.8039, 0.2917, 0.4481 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 78.8039, 0.2917, 0.4481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

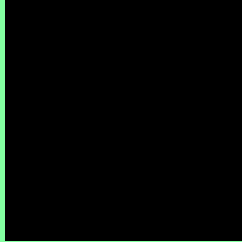
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8039, 0.2917, 0.4481

Background



This preview shows how black text looks on a background with the Yxy color 78.8039, 0.2917, 0.4481.

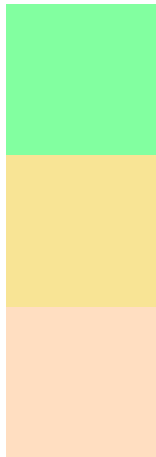


This preview shows how white text looks on a background with the Yxy color 78.8039, 0.2917, 0.4481.

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

78.8039, 0.2917, 0.4481

Protanopia

77.6132, 0.3801, 0.4104

Deuteranopia

77.3528, 0.3570, 0.3587



Tritanopia

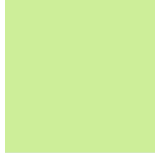
77.9517, 0.2650, 0.3112

Trichromacy



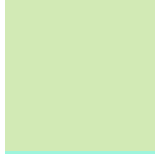
Original Color

78.8039, 0.2917, 0.4481



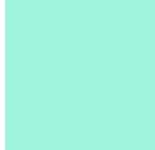
Protanomaly

76.4281, 0.3425, 0.4256



Deuteranomaly

75.8835, 0.3296, 0.3888



Tritanomaly

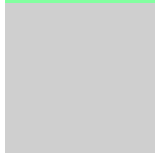
77.7412, 0.2750, 0.3583

Monochromacy



Original Color

78.8039, 0.2917, 0.4481



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.6127, 0.3033, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8039, 0.2917, 0.4481 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(130, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 160)  
}
```

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(130, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 78.8039, 0.2917, 0.4481 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(130, 255, 160) }
```

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

```
.border{ border-color:rgb(130, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8039, 0.2917, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 160) }
```

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

```
.background{ background-color: rgb(130,  
255, 160) }
```

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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