

Converting Colors

$Yxy(78.8955, 0.2947, 0.4433)$

Have a look what the booklet for
Yxy(78.8955, 0.2947, 0.4433)
contains.

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Color

Yxy(78.8955, 0.2947, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	8AFEA2
RGB	138, 254, 162
RGB Percent	54%, 100%, 64%
CMY	0.4586, 0.0039, 0.3648
CMYK	0.46, 0.00, 0.36, 0.00
HSL	132°, 98%, 77%
HSV	132°, 46%, 100%
XYZ	52.4487, 78.8955, 46.6290
YIQ	208.8280, -39.6040, -53.2040

Conversions

Conversions Part 2

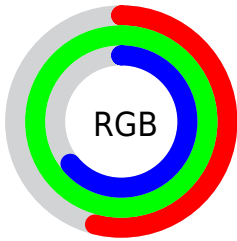
Format	Color
RYB	138, 234, 254
Decimal	9109154
CIELab	91.19, -51.90, 34.05
CIElCh	91, 62.076, 146.730
Yxy	78.8955, 0.2947, 0.4433
Android (android.graphics.Color)	4287299234 (0xFF8AFE A2)
YUV	208.8280, -23.0862, -62.1162
Hunter-Lab	88.8231, -50.0390, 31.0511

Details

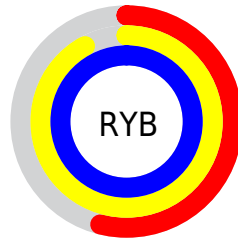
The Yxy color **78.8955, 0.2947, 0.4433** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.9822, 0.3392, 0.2374**, and the grayscale version is **63.8234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3177, 0.2977, 0.3693**, and **42.2462, 0.2883, 0.4734** is the 20% darker color. If you saturate the color by 10%, you get **76.3183, 0.2921, 0.4736**, and if you desaturate by 10%, it is **82.1008, 0.2981, 0.4141**.

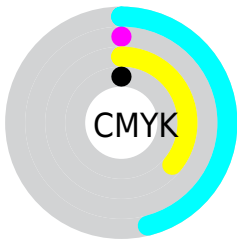
Distribution



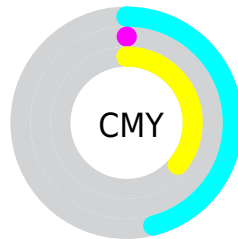
- Red (54%)
- Green (100%)
- Blue (64%)



- Red (54%)
- Yellow (92%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8955, 0.2947, 0.4433 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 78.8955, 0.2947, 0.4433 by changing the saturation by 10% instead.


 78.8955, 0.2947,
0.4433


 78.8955, 0.2947,
0.4433


491.2028, 0.3049,
0.3876

 58.8099, 0.2919,
0.4566


 131.8117, 0.2986,
0.4235

 42.4601, 0.2881,
0.4734


 165.4112, 0.3001,
0.4159

 29.4617, 0.2829,
0.4950


204.2840, 0.3012,
0.4094

 19.4304, 0.2753,
0.5239

248.8146, 0.3022,
0.4039

 11.9817, 0.2637,
0.5640

299.3874, 0.3031,
0.3990

 6.7312, 0.2444,
0.6224


356.3867, 0.3038,


 3.2946, 0.2183,


0.3947


0.7427


420.1971, 0.3044,
0.3910


 1.2874, 0.0000,
1.0000


 0.1314, 0.0000,
1.0000


 78.8955, 0.2947,
0.4433


 78.8955, 0.2947,
0.4433


 76.3183, 0.2921,
0.4736

 82.1008, 0.2981,
0.4141

 74.3181, 0.2906,
0.5036

 85.9617, 0.3020,
0.3869

 72.8518, 0.2904,
0.5316

 90.5162, 0.3061,
0.3622

 71.8655, 0.2915,
0.5559

 95.7962, 0.3104,
0.3402

■ 71.2934, 0.2938,
0.5750

99.3633, 0.3128,
0.3281

■ 71.1346, 0.2949,
0.5815

Harmonies

Analogous

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



78.8955, 0.3647, 0.4626



78.8955, 0.2947, 0.4433



78.8955, 0.2333, 0.3782

Triad

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



78.8955, 0.2947, 0.4433



78.8955, 0.2054, 0.2212



78.8955, 0.4449, 0.3332

Complementary

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



78.8955, 0.2947, 0.4433



44.9822, 0.3392, 0.2374

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.



78.8955, 0.3918, 0.2826



78.8955, 0.2947, 0.4433



78.8955, 0.2504, 0.2210

Square

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



78.8955, 0.2947, 0.4433



78.8955, 0.1868, 0.2473



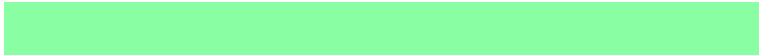
78.8955, 0.3178, 0.2429



78.8955, 0.4557, 0.3874

Rectangle

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



78.8955, 0.2947, 0.4433



78.8955, 0.2051, 0.3263



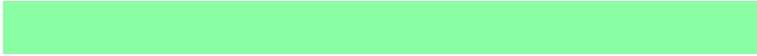
78.8955, 0.3178, 0.2429



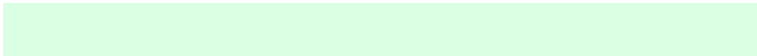
78.8955, 0.4312, 0.3155

Sweetspot

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



78.8988, 0.2947, 0.4433



92.1540, 0.3068, 0.3584



89.6774, 0.3644, 0.4481



19.4939, 0.3059, 0.3635



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.



78.8988, 0.2947, 0.4433



77.1515, 0.2922, 0.4716



81.4173, 0.2671, 0.3702



20.2294, 0.3087, 0.3484



37.5201, 0.2942, 0.5792



3.6681, 0.2888, 0.5596

Inverse Universe

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



44.9822, 0.3392, 0.2374



38.9598, 0.3464, 0.2209



42.2748, 0.3983, 0.2929



18.2324, 0.3170, 0.3103



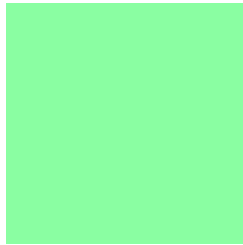
13.3697, 0.3813, 0.1874



1.3172, 0.3730, 0.1829

Previews

White Background



This preview shows how the Yxy color 78.8955, 0.2947, 0.4433 looks on a white background.

Color Contrast Check

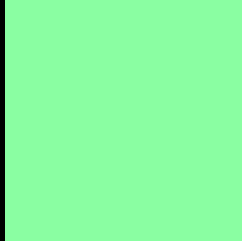
Large Text (above 18pt) WCAG AA × Fail

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 78.8955, 0.2947, 0.4433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

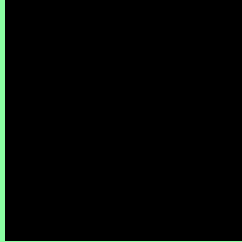
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8955, 0.2947, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 78.8955, 0.2947, 0.4433.



This preview shows how white text looks on a background with the Yxy color 78.8955, 0.2947, 0.4433.

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

78.8955, 0.2947, 0.4433

Protanopia

77.6776, 0.3788, 0.4084

Deuteranopia

77.3976, 0.3563, 0.3576



Tritanopia

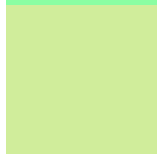
78.3001, 0.2666, 0.3113

Trichromacy



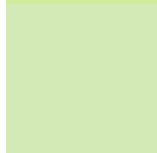
Original Color

78.8955, 0.2947, 0.4433



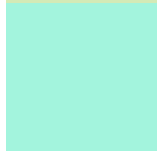
Protanomaly

76.3448, 0.3437, 0.4217



Deuteranomaly

76.2201, 0.3304, 0.3873



Tritanomaly

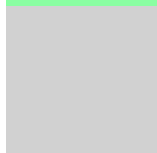
77.7084, 0.2770, 0.3558

Monochromacy



Original Color

78.8955, 0.2947, 0.4433



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.7235, 0.3047, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8955, 0.2947, 0.4433 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(138, 254, 162)` looks like.

```
.text, #text, p{  
    color:rgb(138, 254, 162)  
}
```

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(138, 254, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 254, 162) }
```

Border

The CSS property to change the border of an element to Yxy 78.8955, 0.2947, 0.4433 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(138, 254, 162) }
```

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

```
.border{ border-color:rgb(138, 254, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 254, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 254, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 254, 162);  
box-shadow:4px 4px 4px 4px rgb(138, 254,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8955, 0.2947, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 254, 162) }
```

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

```
.background{ background-color: rgb(138,  
254, 162) }
```

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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