

Converting Colors

$Y_{xy}(78.8899, 0.3132, 0.4852)$

Have a look what the booklet for
Yxy(78.8899, 0.3132, 0.4852)
contains.

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Color

Yxy(78.8919, 0.3135, 0.4857)

Conversions

Conversions Part 1

Format	Color
Hex	8FFF7F
RGB	143, 255, 127
RGB Percent	56%, 100%, 50%
CMY	0.4391, 0.0000, 0.5020
CMYK	0.44, 0.00, 0.50, 0.00
HSL	112°, 100%, 75%
HSV	112°, 50%, 100%
XYZ	50.9216, 78.8919, 32.6158
YIQ	206.9200, -25.6640, -63.5520

Conversions

Conversions Part 2

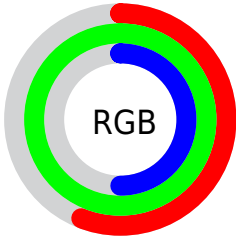
Format	Color
RYB	127, 255, 239
Decimal	9437055
CIELab	91.19, -55.91, 50.98
CIELCh	91, 75.668, 137.641
Yxy	78.8919, 0.3135, 0.4857
Android (android.graphics.Color)	4287627135 (0xFF8FFF7F)
YUV	206.9200, -39.4006, -56.0578
Hunter-Lab	88.8211, -53.1020, 40.4030

Details

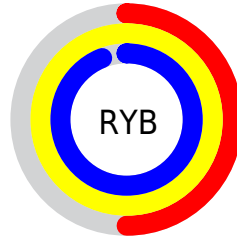
The Yxy color **78.8919, 0.3135, 0.4857** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **40.7368, 0.3043, 0.2025**, and the grayscale version is **62.6186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4540, 0.3211, 0.4095**, and **42.2659, 0.3082, 0.5259** is the 20% darker color. If you saturate the color by 10%, you get **76.5146, 0.3122, 0.5195**, and if you desaturate by 10%, it is **81.8383, 0.3142, 0.4507**.

Distribution



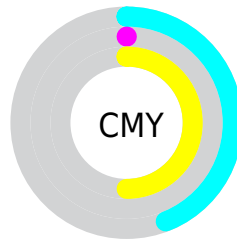
- Red (56%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8919, 0.3135, 0.4857 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 78.8919, 0.3135, 0.4857 by changing the saturation by 10% instead.

 78.8919, 0.3135,
0.4857

 78.8919, 0.3135,
0.4857


491.1906, 0.3171,
0.4092

 58.8069, 0.3115,
0.5038


 131.8067, 0.3157,
0.4586

 42.4577, 0.3085,
0.5262


 165.4053, 0.3162,
0.4482

 29.4599, 0.3036,
0.5547


 204.2772, 0.3166,
0.4393

 19.4290, 0.2954,
0.5916

248.8068, 0.3168,
0.4316

 11.9807, 0.2812,
0.6402

299.3786, 0.3170,
0.4250

 6.7305, 0.2604,
0.7188


356.3769, 0.3171,


 3.2941, 0.2079,


0.4191


0.7921


420.1861, 0.3171,
0.4139


 1.2872, 0.0000,
1.0000


 0.1312, 0.0000,
1.0000

 78.8919, 0.3135,
0.4857


 78.8919, 0.3135,
0.4857


 76.5146, 0.3122,
0.5195


 81.8383, 0.3142,
0.4507


 74.6621, 0.3103,
0.5497

 85.3793, 0.3143,
0.4164

 73.2961, 0.3078,
0.5736

 89.5481, 0.3141,
0.3844

 72.3694, 0.3051,
0.5897

 94.3732, 0.3135,
0.3554

 71.8266, 0.3026,
0.5979

99.8813, 0.3127,
0.3295

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.8919, 0.3955, 0.4848



78.8919, 0.3135, 0.4857



78.8919, 0.2357, 0.4184

Triad

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



78.8919, 0.3135, 0.4857



78.8919, 0.1764, 0.2065



78.8919, 0.4589, 0.3125

Complementary

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



78.8919, 0.3135, 0.4857



40.7368, 0.3043, 0.2025

Split Complementary

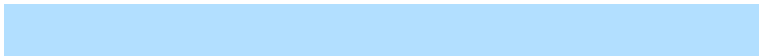
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8919, 0.3819, 0.2574



78.8919, 0.3135, 0.4857



78.8919, 0.2188, 0.1990

Square

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



78.8919, 0.3135, 0.4857



78.8919, 0.1642, 0.2454



78.8919, 0.2911, 0.2174



78.8919, 0.4872, 0.3745

Rectangle

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



78.8919, 0.3135, 0.4857



78.8919, 0.1971, 0.3527



78.8919, 0.2911, 0.2174



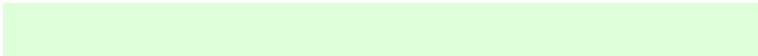
78.8919, 0.4373, 0.2930

Sweetspot

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



78.8945, 0.3135, 0.4857



91.9746, 0.3138, 0.3689



83.9009, 0.3943, 0.4374



19.4713, 0.3139, 0.3751



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

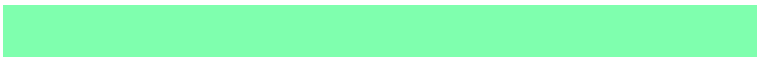
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8945, 0.3135, 0.4857



76.5574, 0.3122, 0.5189



79.0838, 0.2838, 0.4304



20.2772, 0.3135, 0.3534



37.5646, 0.3032, 0.5975



3.6902, 0.3085, 0.5932

Inverse Universe

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



40.7368, 0.3043, 0.2025



34.5246, 0.3016, 0.1816



40.9917, 0.3635, 0.2474



18.1780, 0.3118, 0.3054



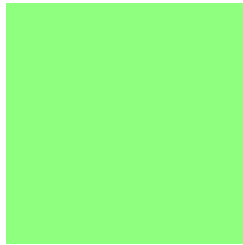
12.0179, 0.2894, 0.1368



1.2011, 0.2932, 0.1389

Previews

White Background



This preview shows how the Yxy color 78.8919, 0.3135, 0.4857 looks on a white background.

Color Contrast Check

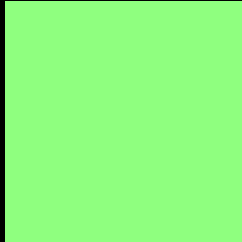
Large Text (above 18pt) WCAG AA × Fail

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 78.8919, 0.3135, 0.4857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

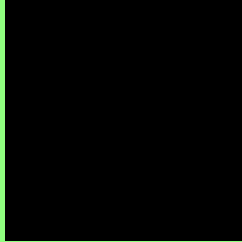
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

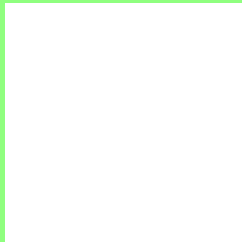
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8919, 0.3135, 0.4857

Background



This preview shows how black text looks on a background with the Yxy color 78.8919, 0.3135, 0.4857.



This preview shows how white text looks on a background with the Yxy color 78.8919, 0.3135, 0.4857.

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

78.8919, 0.3135, 0.4857

Protanopia

77.4903, 0.4020, 0.4378

Deuteranopia

77.6232, 0.3610, 0.3658



Tritanopia

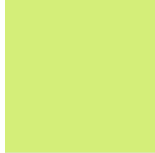
78.6563, 0.2682, 0.3114

Trichromacy



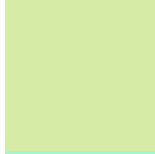
Original Color

78.8919, 0.3135, 0.4857



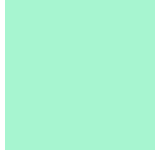
Protanomaly

76.5266, 0.3656, 0.4573



Deuteranomaly

76.4294, 0.3423, 0.4074



Tritanomaly

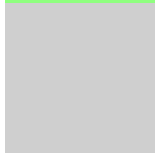
78.0744, 0.2861, 0.3724

Monochromacy



Original Color

78.8919, 0.3135, 0.4857



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7160, 0.3142, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8919, 0.3135, 0.4857 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(143, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 127)  
}
```

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(143, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 78.8919, 0.3135, 0.4857 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(143, 255, 127) }
```

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

```
.border{ border-color:rgb(143, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 255, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 255, 127); box-shadow:4px 4px 4px 4px rgb(143, 255, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8919, 0.3135, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 127) }
```

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

```
.background{ background-color: rgb(143,  
255, 127) }
```

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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