

Converting Colors

$Y_{xy}(79.7215, 0.3003, 0.4517)$

Have a look what the booklet for
Yxy(79.7215, 0.3003, 0.4517)
contains.

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Color

Yxy(79.7262, 0.3006, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	8FFF9B
RGB	143, 255, 155
RGB Percent	56%, 100%, 61%
CMY	0.4391, 0.0000, 0.3921
CMYK	0.44, 0.00, 0.39, 0.00
HSL	126°, 100%, 78%
HSV	126°, 44%, 100%
XYZ	53.0097, 79.7262, 43.6105
YIQ	210.1120, -34.6520, -54.8440

Conversions

Conversions Part 2

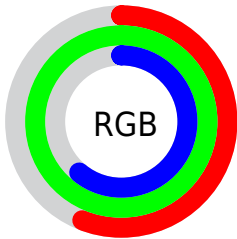
Format	Color
RYB	143, 244, 255
Decimal	9437083
CIELab	91.56, -52.06, 38.03
CIElCh	92, 64.469, 143.855
Yxy	79.7262, 0.3006, 0.4521
Android (android.graphics.Color)	4287627163 (0xFF8FFF9B)
YUV	210.1120, -27.1702, -58.8572
Hunter-Lab	89.2895, -50.2842, 33.5445

Details

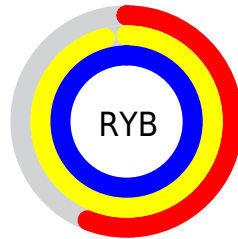
The Yxy color **79.7262, 0.3006, 0.4521** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.3888, 0.3280, 0.2311**, and the grayscale version is **64.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5907, 0.3050, 0.3780**, and **42.7766, 0.2948, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **77.0113, 0.2985, 0.4854**, and if you desaturate by 10%, it is **83.1093, 0.3032, 0.4197**.

Distribution



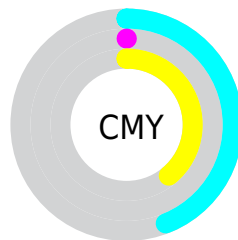
- Red (56%)
- Green (100%)
- Blue (61%)



- Red (56%)
- Yellow (96%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7262, 0.3006, 0.4521 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 79.7262, 0.3006, 0.4521 by changing the saturation by 10% instead.


 79.7262, 0.3006,
0.4521

 79.7262, 0.3006,
0.4521


494.0096, 0.3085,
0.3922

 59.4931, 0.2982,
0.4664


 132.9807, 0.3038,
0.4308

 43.0102, 0.2949,
0.4843


 166.7709, 0.3049,
0.4226

 29.8931, 0.2902,
0.5073


205.8489, 0.3058,
0.4157

 19.7575, 0.2832,
0.5379

250.5990, 0.3065,
0.4097

 12.2189, 0.2719,
0.5799

301.4058, 0.3072,
0.4045

 6.8929, 0.2526,
0.6399


358.6536, 0.3077,


 3.3952, 0.2289,

0.3999

0.7711


422.7267, 0.3081,
0.3958


 1.3414, 0.0000,
1.0000


 0.1729, 0.0000,
1.0000


 79.7262, 0.3006,
0.4521

 79.7262, 0.3006,
0.4521


 77.0113, 0.2985,
0.4854

 83.1093, 0.3032,
0.4197


 74.9110, 0.2970,
0.5178

 87.1901, 0.3060,
0.3894

 73.3796, 0.2963,
0.5470

 92.0087, 0.3088,
0.3620

 72.3609, 0.2966,
0.5707

 97.5990, 0.3116,
0.3377

■ 71.7867, 0.2976,
0.5874

99.9994, 0.3127,
0.3290

■ 71.5998, 0.2983,
0.5940

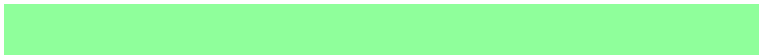
Harmonies

Analogous

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



79.7262, 0.3726, 0.4663



79.7262, 0.3006, 0.4521



79.7262, 0.2358, 0.3876

Triad

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



79.7262, 0.3006, 0.4521



79.7262, 0.1992, 0.2192



79.7262, 0.4459, 0.3276

Complementary

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



79.7262, 0.3006, 0.4521



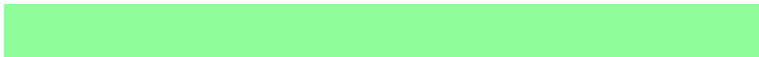
47.3888, 0.3280, 0.2311

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.



79.7262, 0.3876, 0.2765



79.7262, 0.3006, 0.4521



79.7262, 0.2428, 0.2168

Square

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



79.7262, 0.3006, 0.4521



79.7262, 0.1828, 0.2486



79.7262, 0.3104, 0.2373



79.7262, 0.4615, 0.3833

Rectangle

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



79.7262, 0.3006, 0.4521



79.7262, 0.2051, 0.3334



79.7262, 0.3104, 0.2373



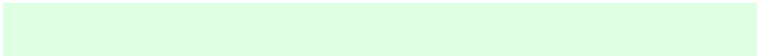
79.7262, 0.4304, 0.3097

Sweetspot

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



79.7295, 0.3006, 0.4521



92.4838, 0.3091, 0.3597



92.7016, 0.3704, 0.4405



19.5504, 0.3085, 0.3654



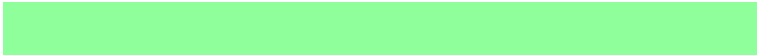
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.7295, 0.3006, 0.4521



77.2322, 0.2986, 0.4824



82.0263, 0.2737, 0.3822



20.1997, 0.3101, 0.3509



37.4229, 0.2979, 0.5926



3.6536, 0.2941, 0.5787

Inverse Universe

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



47.3888, 0.3280, 0.2311



40.9805, 0.3318, 0.2133



44.5396, 0.3816, 0.2827



18.2649, 0.3154, 0.3080



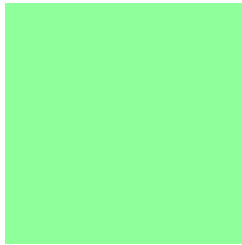
14.0412, 0.3499, 0.1701



1.3763, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 79.7262, 0.3006, 0.4521 looks on a white background.

Color Contrast Check

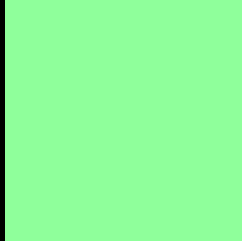
Large Text (above 18pt) WCAG AA × Fail

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 79.7262, 0.3006, 0.4521 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 79.7262, 0.3006, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 79.7262, 0.3006, 0.4521.

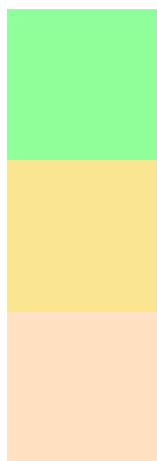


This preview shows how white text looks on a background with the Yxy color 79.7262, 0.3006, 0.4521.

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

79.7262, 0.3006, 0.4521

Protanopia

78.4070, 0.3838, 0.4147

Deuteranopia

78.5114, 0.3551, 0.3586



Tritanopia

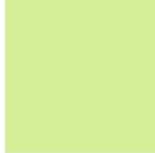
78.8981, 0.2692, 0.3114

Trichromacy



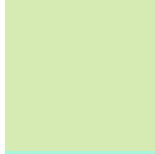
Original Color

79.7262, 0.3006, 0.4521



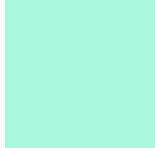
Protanomaly

77.1679, 0.3492, 0.4286



Deuteranomaly

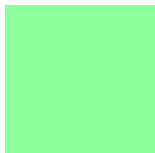
77.0081, 0.3329, 0.3904



Tritanomaly

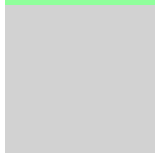
78.7441, 0.2808, 0.3591

Monochromacy



Original Color

79.7262, 0.3006, 0.4521



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5495, 0.3080, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7262, 0.3006, 0.4521 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 79.7262, 0.3006, 0.4521 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, 155) }
```

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

```
.border{ border-color:rgb(143, 255, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7262, 0.3006, 0.4521 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, 155) }
```

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

```
.background{ background-color: rgb(143,  
255, 155) }
```

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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