

Converting Colors

$Y_{xy}(125.0525, 0.3035, 0.5014)$

Have a look what the booklet for
Yxy(125.0525, 0.3035, 0.5014)
contains.

Yxy(79.8009, 0.3050, 0.4589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.8009, 0.3050, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	92FF95
RGB	146, 255, 149
RGB Percent	57%, 100%, 58%
CMY	0.4275, 0.0000, 0.4155
CMYK	0.43, 0.00, 0.42, 0.00
HSL	122°, 100%, 79%
HSV	122°, 43%, 100%
XYZ	53.0383, 79.8009, 41.0569
YIQ	210.3250, -30.9380, -56.0740

Conversions

Conversions Part 2

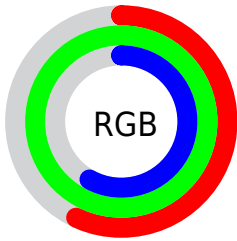
Format	Color
RYB	146, 252, 255
Decimal	9633685
CIELab	91.60, -52.13, 41.02
CIELCh	92, 66.334, 141.803
Yxy	79.8009, 0.3050, 0.4589
Android (android.graphics.Color)	4287823765 (0xFF92FF95)
YUV	210.3250, -30.2332, -56.4130
Hunter-Lab	89.3313, -50.3499, 35.2821

Details

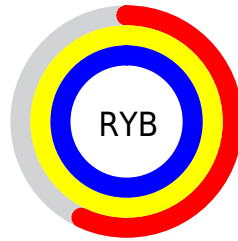
The Yxy color **79.8009, 0.3050, 0.4589** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.8357, 0.3202, 0.2264**, and the grayscale version is **64.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7170, 0.3101, 0.3845**, and **42.8517, 0.3003, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **77.0091, 0.3032, 0.4944**, and if you desaturate by 10%, it is **83.2809, 0.3069, 0.4240**.

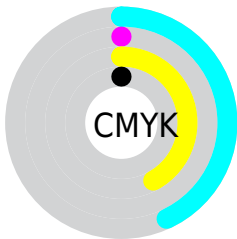
Distribution



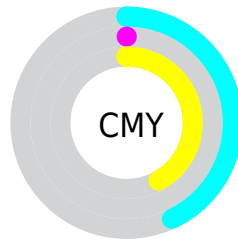
- Red (57%)
- Green (100%)
- Blue (58%)



- Red (57%)
- Yellow (99%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8009, 0.3050, 0.4589 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 79.8009, 0.3050, 0.4589 by changing the saturation by 10% instead.

 79.8009, 0.3050,
0.4589


 79.8009, 0.3050,
0.4589


494.2616, 0.3112,
0.3957

 59.5545, 0.3029,
0.4739


 133.0858, 0.3077,
0.4364

 43.0597, 0.2999,
0.4928


 166.8931, 0.3086,
0.4278

 29.9319, 0.2955,
0.5169


205.9894, 0.3093,
0.4205

 19.7869, 0.2887,
0.5487

250.7593, 0.3098,
0.4142

 12.2403, 0.2775,
0.5921

301.5871, 0.3102,
0.4087

 6.9075, 0.2577,
0.6533


358.8571, 0.3106,


 3.4043, 0.2288,

0.4038


0.7712


422.9538, 0.3109,
0.3995


 1.3463, 0.0000,
1.0000


 0.1766, 0.0000,
1.0000


 79.8009, 0.3050,
0.4589


 79.8009, 0.3050,
0.4589


 77.0091, 0.3032,
0.4944


 83.2809, 0.3069,
0.4240


 74.8617, 0.3016,
0.5282

 87.4928, 0.3088,
0.3913

 73.3065, 0.3005,
0.5575

 92.4742, 0.3106,
0.3617

 72.2845, 0.2998,
0.5799

 98.2609, 0.3123,
0.3356

■ 71.7240, 0.2997,
0.5938

100.0000, 0.3127,
0.3290

■ 71.5357, 0.2997,
0.5988

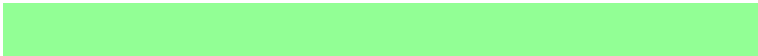
Harmonies

Analogous

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



79.8009, 0.3786, 0.4692



79.8009, 0.3050, 0.4589



79.8009, 0.2375, 0.3950

Triad

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



79.8009, 0.3050, 0.4589



79.8009, 0.1944, 0.2176



79.8009, 0.4469, 0.3234

Complementary

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



79.8009, 0.3050, 0.4589



48.8357, 0.3202, 0.2264

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.



79.8009, 0.3844, 0.2719



79.8009, 0.3050, 0.4589



79.8009, 0.2370, 0.2135

Square

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



79.8009, 0.3050, 0.4589



79.8009, 0.1796, 0.2495



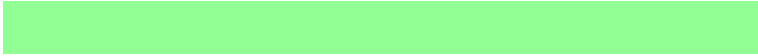
79.8009, 0.3049, 0.2330



79.8009, 0.4660, 0.3802

Rectangle

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



79.8009, 0.3050, 0.4589



79.8009, 0.2049, 0.3390



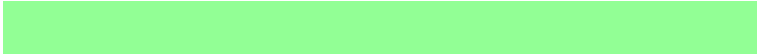
79.8009, 0.3049, 0.2330



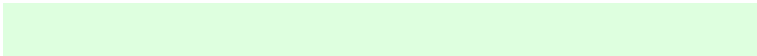
79.8009, 0.4300, 0.3053

Sweetspot

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



79.8003, 0.3050, 0.4589



92.3418, 0.3106, 0.3624



94.5117, 0.3754, 0.4352



19.5160, 0.3102, 0.3687



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

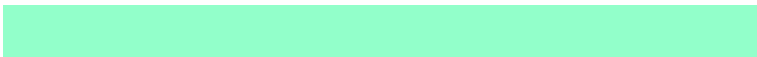
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8003, 0.3050, 0.4589



77.4506, 0.3035, 0.4882



81.9079, 0.2790, 0.3919



20.1764, 0.3112, 0.3529



37.3825, 0.2995, 0.5983



3.6426, 0.2984, 0.5942

Inverse Universe

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



48.8357, 0.3202, 0.2264



42.9016, 0.3217, 0.2090



45.9196, 0.3697, 0.2747



18.2911, 0.3142, 0.3062



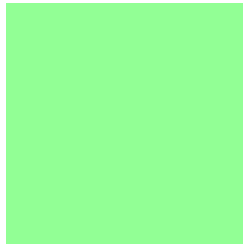
14.6489, 0.3281, 0.1581



1.4290, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 79.8009, 0.3050, 0.4589 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 79.8009, 0.3050, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

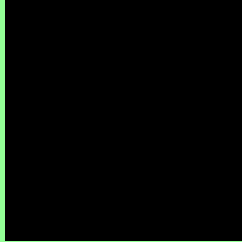
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

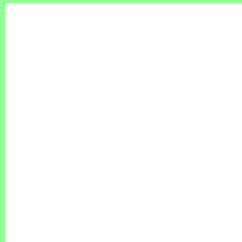
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8009, 0.3050, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 79.8009, 0.3050, 0.4589.

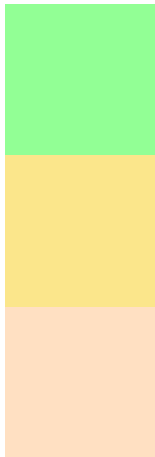


This preview shows how white text looks on a background with the Yxy color 79.8009, 0.3050, 0.4589.

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

79.8009, 0.3050, 0.4589

Protanopia

78.9669, 0.3879, 0.4211

Deuteranopia

78.4664, 0.3558, 0.3596



Tritanopia

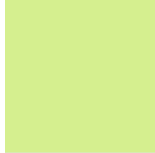
79.1434, 0.2703, 0.3115

Trichromacy



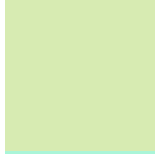
Original Color

79.8009, 0.3050, 0.4589



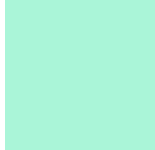
Protanomaly

77.8623, 0.3538, 0.4355



Deuteranomaly

77.0781, 0.3349, 0.3925



Tritanomaly

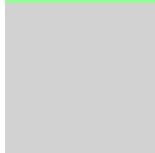
78.8087, 0.2835, 0.3626

Monochromacy



Original Color

79.8009, 0.3050, 0.4589



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5883, 0.3099, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8009, 0.3050, 0.4589 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(146, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 149)  
}
```

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(146, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 79.8009, 0.3050, 0.4589 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(146, 255, 149) }
```

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

```
.border{ border-color:rgb(146, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8009, 0.3050, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 149) }
```

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

```
.background{ background-color: rgb(146,  
255, 149) }
```

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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