

Converting Colors

$Yxy(79.5173, 0.3063, 0.4647)$

Have a look what the booklet for
Yxy(79.5173, 0.3063, 0.4647)
contains.

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Color

Yxy(79.4936, 0.3058, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	90FF91
RGB	144, 255, 145
RGB Percent	56%, 100%, 57%
CMY	0.4355, 0.0000, 0.4312
CMYK	0.44, 0.00, 0.43, 0.00
HSL	121°, 100%, 78%
HSV	121°, 44%, 100%
XYZ	52.3678, 79.4936, 39.3872
YIQ	209.2710, -30.8460, -57.7420

Conversions

Conversions Part 2

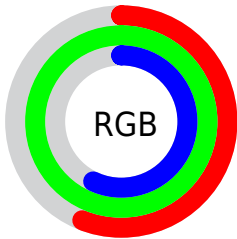
Format	Color
RYB	144, 254, 255
Decimal	9502609
CIELab	91.46, -53.28, 42.77
CIELCh	91, 68.318, 141.245
Yxy	79.4936, 0.3058, 0.4642
Android (android.graphics.Color)	4287692689 (0xFF90FF91)
YUV	209.2710, -31.6856, -57.2427
Hunter-Lab	89.1592, -51.1862, 36.2193

Details

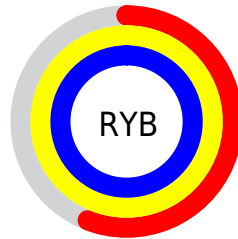
The Yxy color **79.4936, 0.3058, 0.4642** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3403, 0.3186, 0.2230**, and the grayscale version is **64.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2467, 0.3111, 0.3892**, and **42.6365, 0.3007, 0.4999** is the 20% darker color. If you saturate the color by 10%, you get **76.7540, 0.3041, 0.5001**, and if you desaturate by 10%, it is **82.9179, 0.3076, 0.4286**.

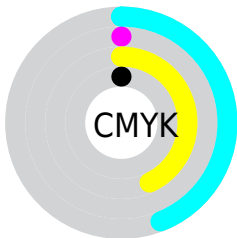
Distribution



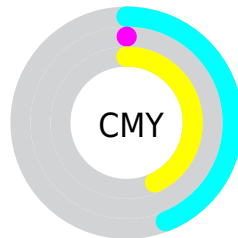
- Red (56%)
- Green (100%)
- Blue (57%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4936, 0.3058, 0.4642 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 79.4936, 0.3058, 0.4642 by changing the saturation by 10% instead.


 79.4936, 0.3058,
0.4642

 79.4936, 0.3058,
0.4642

493.2246, 0.3118,
0.3983

 59.3017, 0.3036,
0.4799


 132.6535, 0.3085,
0.4408

 42.8561, 0.3006,
0.4995


 166.3904, 0.3094,
0.4318

 29.7722, 0.2960,
0.5246


205.4110, 0.3100,
0.4242

 19.6657, 0.2888,
0.5577

250.0998, 0.3106,
0.4176

 12.1523, 0.2769,
0.6026

300.8411, 0.3110,
0.4118

 6.8475, 0.2560,
0.6660


358.0195, 0.3113,


 3.3669, 0.2223,


0.4068


0.7777

422.0192, 0.3116,
0.4023


 1.3262, 0.0000,
1.0000


 0.1613, 0.0000,
1.0000

 79.4936, 0.3058,
0.4642


 79.4936, 0.3058,
0.4642


 76.7540, 0.3041,
0.5001


 82.9179, 0.3076,
0.4286


 74.6624, 0.3025,
0.5338

 87.0796, 0.3093,
0.3951

 73.1625, 0.3013,
0.5624

 92.0147, 0.3108,
0.3647

 72.1933, 0.3004,
0.5835

 97.7594, 0.3123,
0.3377

■ 71.6805, 0.3000,
0.5958

100.0000, 0.3127,
0.3290

■ 71.5255, 0.2999,
0.5996

Harmonies

Analogous

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



79.4936, 0.3813, 0.4731



79.4936, 0.3058, 0.4642



79.4936, 0.2362, 0.3987

Triad

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



79.4936, 0.3058, 0.4642



79.4936, 0.1908, 0.2149



79.4936, 0.4502, 0.3219

Complementary

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



79.4936, 0.3058, 0.4642



48.3403, 0.3186, 0.2230

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.



79.4936, 0.3851, 0.2694



79.4936, 0.3058, 0.4642



79.4936, 0.2338, 0.2104

Square

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



79.4936, 0.3058, 0.4642



79.4936, 0.1762, 0.2478



79.4936, 0.3030, 0.2300



79.4936, 0.4706, 0.3799

Rectangle

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



79.4936, 0.3058, 0.4642



79.4936, 0.2026, 0.3406



79.4936, 0.3030, 0.2300



79.4936, 0.4325, 0.3034

Sweetspot

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



79.4902, 0.3058, 0.4642



92.3093, 0.3109, 0.3631



94.7920, 0.3777, 0.4365



19.5081, 0.3106, 0.3695



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.



79.4902, 0.3058, 0.4642



77.1346, 0.3043, 0.4946



81.5901, 0.2794, 0.3956



20.1711, 0.3114, 0.3533



37.3749, 0.2998, 0.5994



3.6400, 0.2994, 0.5980

Inverse Universe

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



48.3403, 0.3186, 0.2230



42.4137, 0.3197, 0.2052



45.3362, 0.3693, 0.2719



18.2971, 0.3140, 0.3058



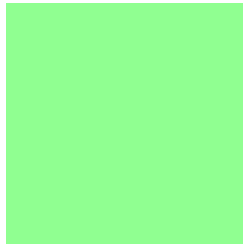
14.7989, 0.3234, 0.1555



1.4419, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 79.4936, 0.3058, 0.4642 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 79.4936, 0.3058, 0.4642 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 79.4936, 0.3058, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 79.4936, 0.3058, 0.4642.



This preview shows how white text looks on a background with the Yxy color 79.4936, 0.3058, 0.4642.

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

79.4936, 0.3058, 0.4642

Protanopia

78.2971, 0.3908, 0.4239

Deuteranopia

78.3771, 0.3572, 0.3617



Tritanopia

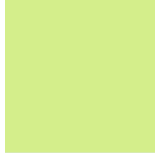
78.8981, 0.2692, 0.3114

Trichromacy



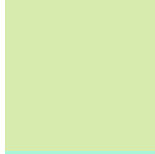
Original Color

79.4936, 0.3058, 0.4642



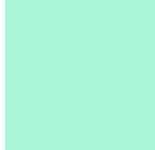
Protanomaly

77.0102, 0.3557, 0.4391



Deuteranomaly

76.9589, 0.3368, 0.3959



Tritanomaly

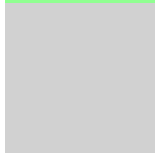
78.5359, 0.2829, 0.3639

Monochromacy



Original Color

79.4936, 0.3058, 0.4642



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2522, 0.3098, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4936, 0.3058, 0.4642 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(144, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 145)  
}
```

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(144, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 79.4936, 0.3058, 0.4642 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(144, 255, 145) }
```

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

```
.border{ border-color:rgb(144, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 255, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 255, 145); box-shadow:4px 4px 4px 4px rgb(144, 255, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4936, 0.3058, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 145) }
```

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

```
.background{ background-color: rgb(144,  
255, 145) }
```

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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