

Converting Colors

$Yxy(99.0110, 0.2981, 0.4741)$

Have a look what the booklet for
Yxy(99.0110, 0.2981, 0.4741)
contains.

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Color

Yxy(79.4433, 0.2976, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	8BFF9D
RGB	139, 255, 157
RGB Percent	55%, 100%, 62%
CMY	0.4549, 0.0000, 0.3845
CMYK	0.45, 0.00, 0.38, 0.00
HSL	129°, 100%, 77%
HSV	129°, 45%, 100%
XYZ	52.4918, 79.4433, 44.4487
YIQ	209.1440, -37.6780, -55.0700

Conversions

Conversions Part 2

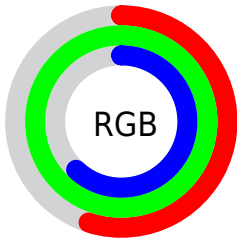
Format	Color
RYB	139, 239, 255
Decimal	9174941
CIELab	91.43, -52.86, 36.87
CIElCh	91, 64.443, 145.104
Yxy	79.4433, 0.2976, 0.4504
Android (android.graphics.Color)	4287365021 (0xFF8BFF9D)
YUV	209.1440, -25.7070, -61.5163
Hunter-Lab	89.1310, -50.8553, 32.8243

Details

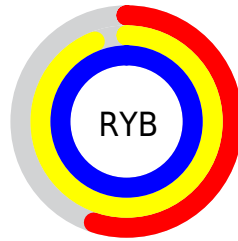
The Yxy color **79.4433, 0.2976, 0.4504** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.8455, 0.3336, 0.2325**, and the grayscale version is **64.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2792, 0.3021, 0.3760**, and **42.6375, 0.2916, 0.4824** is the 20% darker color. If you saturate the color by 10%, you get **76.8256, 0.2953, 0.4823**, and if you desaturate by 10%, it is **82.7022, 0.3005, 0.4194**.

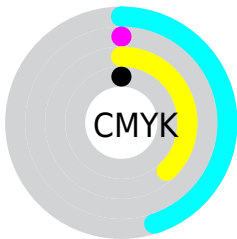
Distribution



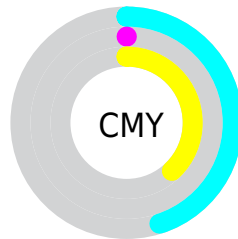
- Red (55%)
- Green (100%)
- Blue (62%)



- Red (55%)
- Yellow (94%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4433, 0.2976, 0.4504 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 79.4433, 0.2976, 0.4504 by changing the saturation by 10% instead.

 79.4433, 0.2976,
0.4504


 79.4433, 0.2976,
0.4504


493.0547, 0.3068,
0.3912

 59.2604, 0.2949,
0.4645


 132.5828, 0.3012,
0.4293

 42.8227, 0.2913,
0.4823


 166.3081, 0.3025,
0.4213

 29.7461, 0.2862,
0.5051


205.3163, 0.3036,
0.4144

 19.6459, 0.2788,
0.5355

249.9918, 0.3044,
0.4085

 12.1379, 0.2670,
0.5775

300.7190, 0.3052,
0.4034

 6.8377, 0.2471,
0.6378


357.8823, 0.3058,


 3.3608, 0.2239,

0.3988


0.7747

421.8661, 0.3063,
0.3948


 1.3229, 0.0000,
1.0000


 0.1588, 0.0000,
1.0000

 79.4433, 0.2976,
0.4504


 79.4433, 0.2976,
0.4504


 76.8256, 0.2953,
0.4823


 82.7022, 0.3005,
0.4194

 74.8069, 0.2939,
0.5135

 86.6420, 0.3038,
0.3904

 73.3388, 0.2936,
0.5420

 91.2983, 0.3073,
0.3641

 72.3653, 0.2943,
0.5657

 96.7044, 0.3108,
0.3406

■ 71.8181, 0.2961,
0.5832

100.0000, 0.3127,
0.3290

■ 71.6696, 0.2969,
0.5889

Harmonies

Analogous

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



79.4433, 0.3697, 0.4669



79.4433, 0.2976, 0.4504



79.4433, 0.2334, 0.3843

Triad

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



79.4433, 0.2976, 0.4504



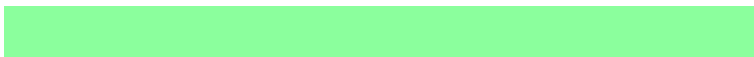
79.4433, 0.2004, 0.2185



79.4433, 0.4477, 0.3299

Complementary

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



79.4433, 0.2976, 0.4504



45.8455, 0.3336, 0.2325

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.



79.4433, 0.3907, 0.2784



79.4433, 0.2976, 0.4504



79.4433, 0.2452, 0.2171

Square

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



79.4433, 0.2976, 0.4504



79.4433, 0.1828, 0.2467



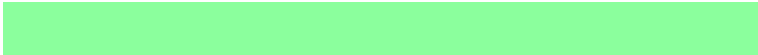
79.4433, 0.3136, 0.2386



79.4433, 0.4612, 0.3856

Rectangle

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



79.4433, 0.2976, 0.4504



79.4433, 0.2035, 0.3301



79.4433, 0.3136, 0.2386



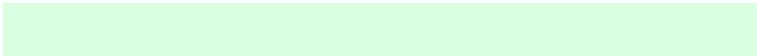
79.4433, 0.4327, 0.3119

Sweetspot

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



79.4430, 0.2976, 0.4504



92.0534, 0.3079, 0.3604



91.4927, 0.3683, 0.4460



19.4697, 0.3071, 0.3658



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.



79.4430, 0.2976, 0.4504



76.9386, 0.2954, 0.4808



81.8856, 0.2699, 0.3772



20.2140, 0.3094, 0.3497



37.4625, 0.2964, 0.5871



3.6603, 0.2916, 0.5697

Inverse Universe

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



45.8455, 0.3336, 0.2325



39.3644, 0.3391, 0.2150



43.0077, 0.3915, 0.2870



18.2492, 0.3162, 0.3091



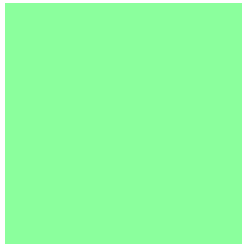
13.7049, 0.3645, 0.1781



1.3469, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 79.4433, 0.2976, 0.4504 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 79.4433, 0.2976, 0.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

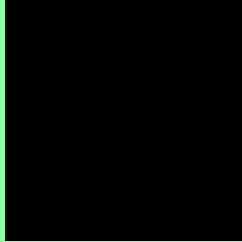
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.4433, 0.2976, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 79.4433, 0.2976, 0.4504.

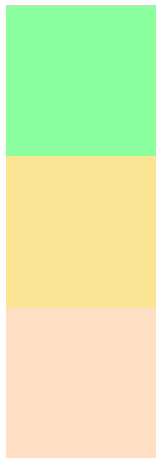


This preview shows how white text looks on a background with the Yxy color 79.4433, 0.2976, 0.4504.

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

79.4433, 0.2976, 0.4504

Protanopia

78.2849, 0.3817, 0.4130

Deuteranopia

77.9755, 0.3553, 0.3576



Tritanopia

78.6563, 0.2682, 0.3114

Trichromacy



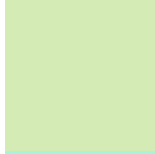
Original Color

79.4433, 0.2976, 0.4504



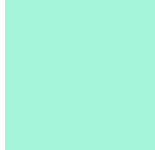
Protanomaly

76.9387, 0.3465, 0.4269



Deuteranomaly

76.8990, 0.3316, 0.3894



Tritanomaly

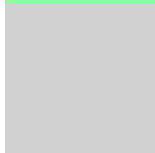
78.4186, 0.2792, 0.3592

Monochromacy



Original Color

79.4433, 0.2976, 0.4504



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3008, 0.3066, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4433, 0.2976, 0.4504 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(139, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 157)  
}
```

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(139, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 79.4433, 0.2976, 0.4504 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(139, 255, 157) }
```

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

```
.border{ border-color:rgb(139, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4433, 0.2976, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 157) }
```

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

```
.background{ background-color: rgb(139,  
255, 157) }
```

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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