

# Converting Colors

Yxy(79.5553, 0.2953, 0.4452)

Have a look what the booklet for  
Yxy(79.5553, 0.2953, 0.4452)  
contains.

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# Color

**Yxy(79.4965, 0.2952, 0.4455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFFA1
RGB	138, 255, 161
RGB Percent	54%, 100%, 63%
CMY	0.4587, 0.0000, 0.3688
CMYK	0.46, 0.00, 0.37, 0.00
HSL	132°, 100%, 77%
HSV	132°, 46%, 100%
XYZ	52.6765, 79.4965, 46.2704
YIQ	209.3010, -39.5580, -54.0380

# Conversions

## Conversions Part 2

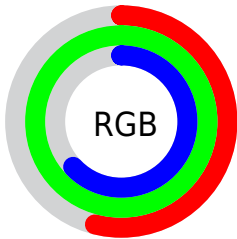
Format	Color
<a href="#">RYB</a>	<a href="#">138, 236, 255</a>
Decimal	<a href="#">9109409</a>
CIELab	<a href="#">91.46, -52.48, 34.91</a>
CIElCh	<a href="#">91, 63.029, 146.368</a>
Yxy	<a href="#">79.4965, 0.2952, 0.4455</a>
Android (android.graphics.Color)	<a href="#">4287299489 (0xFF8AFFA1)</a>
YUV	<a href="#">209.3010, -23.8124, -62.5310</a>
Hunter-Lab	<a href="#">89.1608, -50.5731, 31.6438</a>

# Details

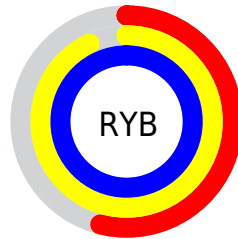
The Yxy color **79.4965, 0.2952, 0.4455** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.2784, 0.3382, 0.2359**, and the grayscale version is **64.1503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3482, 0.2993, 0.3715**, and **42.6775, 0.2889, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **76.9075, 0.2927, 0.4761**, and if you desaturate by 10%, it is **82.7191, 0.2985, 0.4159**.

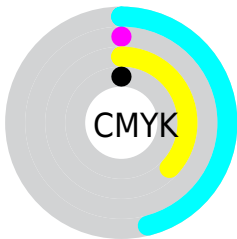
# Distribution



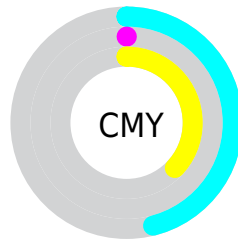
- Red (54%)
- Green (100%)
- Blue (63%)



- Red (54%)
- Yellow (93%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4965, 0.2952, 0.4455 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 79.4965, 0.2952, 0.4455 by changing the saturation by 10% instead.




 79.4965, 0.2952,  
0.4455


 79.4965, 0.2952,  
0.4455

493.2344, 0.3053,  
0.3888

 59.3041, 0.2924,  
0.4591

 132.6576, 0.2991,  
0.4253

 42.8580, 0.2886,  
0.4761


 166.3951, 0.3005,  
0.4176

 29.7737, 0.2834,  
0.4981


205.4164, 0.3017,  
0.4110

 19.6669, 0.2759,  
0.5273

250.1060, 0.3026,  
0.4053

 12.1531, 0.2642,  
0.5679

300.8482, 0.3034,  
0.4004

 6.8481, 0.2448,  
0.6266


358.0274, 0.3041,


 3.3673, 0.2188,

0.3960


0.7487


422.0280, 0.3047,  
0.3922


 1.3263, 0.0000,  
1.0000


 0.1615, 0.0000,  
1.0000

 79.4965, 0.2952,  
0.4455


 79.4965, 0.2952,  
0.4455


 76.9075, 0.2927,  
0.4761


 82.7191, 0.2985,  
0.4159


 74.9034, 0.2912,  
0.5063

 86.6067, 0.3022,  
0.3883

 73.4391, 0.2910,  
0.5344

 91.1966, 0.3063,  
0.3632

 72.4598, 0.2921,  
0.5585

 96.5215, 0.3103,  
0.3409

■ 71.8983, 0.2943,  
0.5771

100.0000, 0.3127,  
0.3290

■ 71.7502, 0.2953,  
0.5832

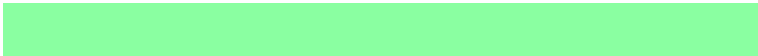
# Harmonies

## Analogous

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



79.4965, 0.3660, 0.4642



79.4965, 0.2952, 0.4455



79.4965, 0.2329, 0.3797

# Triad

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



79.4965, 0.2952, 0.4455



79.4965, 0.2038, 0.2201



79.4965, 0.4462, 0.3324

# Complementary

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



79.4965, 0.2952, 0.4455



45.2784, 0.3382, 0.2359

# 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.



79.4965, 0.3919, 0.2814



79.4965, 0.2952, 0.4455



79.4965, 0.2490, 0.2197

# Square

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



79.4965, 0.2952, 0.4455



79.4965, 0.1854, 0.2468



79.4965, 0.3169, 0.2416

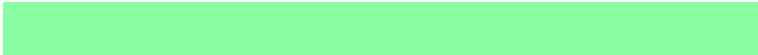


79.4965, 0.4576, 0.3872



# Rectangle

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



79.4965, 0.2952, 0.4455



79.4965, 0.2043, 0.3270



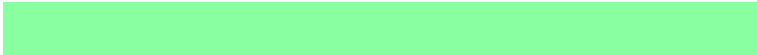
79.4965, 0.3169, 0.2416



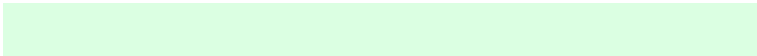
79.4965, 0.4322, 0.3146

# Sweetspot

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



79.4987, 0.2952, 0.4455



92.1340, 0.3070, 0.3588



90.7737, 0.3660, 0.4481



19.4891, 0.3061, 0.3639



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.



79.4987, 0.2952, 0.4455



77.1083, 0.2929, 0.4735



81.9866, 0.2678, 0.3728



20.2264, 0.3089, 0.3487



37.5074, 0.2947, 0.5809



3.6664, 0.2894, 0.5617



# Inverse Universe

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



45.2784, 0.3382, 0.2359



39.0385, 0.3449, 0.2197



42.5464, 0.3968, 0.2907



18.2357, 0.3168, 0.3101



13.4338, 0.3779, 0.1855

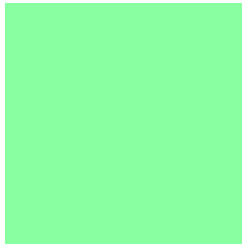


1.3229, 0.3701, 0.1813



# Previews

## White Background



This preview shows how the Yxy color 79.4965, 0.2952, 0.4455 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 79.4965, 0.2952, 0.4455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

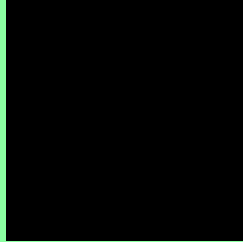
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

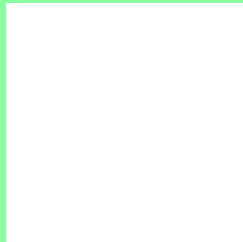
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.4965, 0.2952, 0.4455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4965, 0.2952, 0.4455.

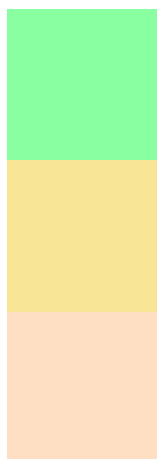


This preview shows how white text looks on a background with the Yxy color 79.4965, 0.2952, 0.4455.

# 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

79.4965, 0.2952, 0.4455

### Protanopia

78.3804, 0.3798, 0.4101

### Deuteranopia

78.0209, 0.3546, 0.3566



## Tritanopia

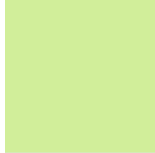
79.1239, 0.2677, 0.3125

# Trichromacy



## Original Color

79.4965, 0.2952, 0.4455



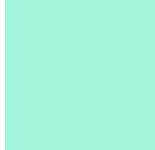
## Protanomaly

77.0375, 0.3447, 0.4236



## Deuteranomaly

76.8326, 0.3296, 0.3872



## Tritanomaly

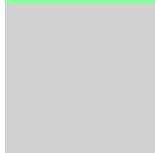
78.4178, 0.2776, 0.3568

# Monochromacy



## Original Color

79.4965, 0.2952, 0.4455



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.2658, 0.3047, 0.3698

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4965, 0.2952, 0.4455 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(138, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 161)  
}
```

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(138, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4965, 0.2952, 0.4455 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(138, 255, 161) }
```

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

```
.border{ border-color:rgb(138, 255, 161) }
```

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

Here you see how a box with a 4 pixel rgb(138, 255, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4965, 0.2952, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 161) }
```

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

```
.background{ background-color: rgb(138,  
255, 161) }
```

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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