

# Converting Colors

$Y_{xy}(79.2272, 0.3062, 0.4682)$

Have a look what the booklet for  
Yxy(79.2272, 0.3062, 0.4682)  
contains.

<b>Yxy(79.2238, 0.3062, 0.4683)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.2238, 0.3062, 0.4683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFF8E
RGB	142, 255, 142
RGB Percent	56%, 100%, 56%
CMY	0.4430, 0.0000, 0.4432
CMYK	0.44, 0.00, 0.44, 0.00
HSL	120°, 100%, 78%
HSV	120°, 44%, 100%
XYZ	51.8008, 79.2238, 38.1486
YIQ	208.3310, -31.0750, -59.0990

# Conversions

## Conversions Part 2

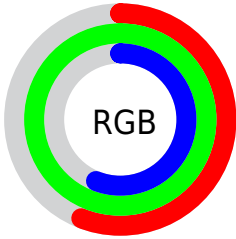
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 255, 255
Decimal	9371534
CIELab	91.34, -54.24, 44.07
CIELCh	91, 69.882, 140.907
Yxy	79.2238, 0.3062, 0.4683
Android (android.graphics.Color)	4287561614 (0xFF8EFF8E)
YUV	208.3310, -32.7012, -58.1723
Hunter-Lab	89.0078, -51.8799, 36.8938

# Details

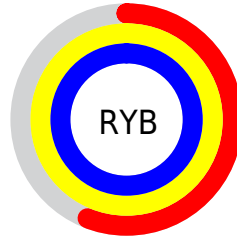
The Yxy color **79.2238, 0.3062, 0.4683** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.8168, 0.3178, 0.2204**, and the grayscale version is **63.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9687, 0.3122, 0.3927**, and **42.4928, 0.3011, 0.5050** is the 20% darker color. If you saturate the color by 10%, you get **76.5424, 0.3045, 0.5043**, and if you desaturate by 10%, it is **82.6006, 0.3079, 0.4323**.

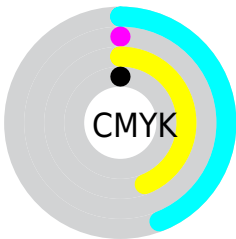
# Distribution



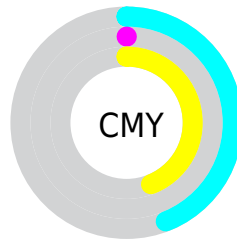
- Red (56%)
- Green (100%)
- Blue (56%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2238, 0.3062, 0.4683 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 79.2238, 0.3062, 0.4683 by changing the saturation by 10% instead.



 79.2238, 0.3062,  
0.4683


 79.2238, 0.3062,  
0.4683


492.3131, 0.3122,  
0.4003

 59.0798, 0.3040,  
0.4845


 132.2739, 0.3089,  
0.4441

 42.6774, 0.3008,  
0.5047


 165.9488, 0.3098,  
0.4349

 29.6321, 0.2960,  
0.5306


204.9028, 0.3105,  
0.4270

 19.5595, 0.2885,  
0.5646

249.5203, 0.3110,  
0.4202

 12.0752, 0.2760,  
0.6107

300.1857, 0.3114,  
0.4142

 6.7949, 0.2544,  
0.6763


357.2833, 0.3117,


 3.3342, 0.2169,

0.4090


0.7831

421.1977, 0.3120,  
0.4044


 1.3086, 0.0000,  
1.0000


 0.1478, 0.0000,  
1.0000


 79.2238, 0.3062,  
0.4683


 79.2238, 0.3062,  
0.4683


 76.5424, 0.3045,  
0.5043


 82.6006, 0.3079,  
0.4323


 74.5017, 0.3029,  
0.5378

 86.7091, 0.3095,  
0.3983

 73.0502, 0.3016,  
0.5658

 91.5911, 0.3109,  
0.3673

 72.1255, 0.3007,  
0.5858

 97.2836, 0.3122,  
0.3398

■ 71.6511, 0.3002,  
0.5969

100.0000, 0.3127,  
0.3290

■ 71.5205, 0.3000,  
0.6000

# Harmonies

## Analogous

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



79.2238, 0.3833, 0.4762



79.2238, 0.3062, 0.4683



79.2238, 0.2351, 0.4015

# Triad

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



79.2238, 0.3062, 0.4683



79.2238, 0.1880, 0.2127



79.2238, 0.4530, 0.3208

# Complementary

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



79.2238, 0.3062, 0.4683



47.8168, 0.3178, 0.2204

# 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.



79.2238, 0.3859, 0.2675



79.2238, 0.3062, 0.4683



79.2238, 0.2314, 0.2080

# Square

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



79.2238, 0.3062, 0.4683



79.2238, 0.1735, 0.2464



79.2238, 0.3018, 0.2277



79.2238, 0.4742, 0.3797



# Rectangle

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



79.2238, 0.3062, 0.4683



79.2238, 0.2006, 0.3417



79.2238, 0.3018, 0.2277



79.2238, 0.4347, 0.3020

# Sweetspot

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



79.2262, 0.3062, 0.4683



92.2935, 0.3111, 0.3634



93.5369, 0.3795, 0.4367



19.5043, 0.3108, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

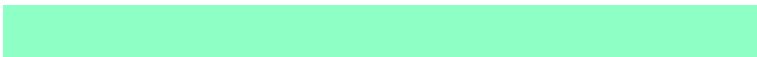
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2262, 0.3062, 0.4683



76.8579, 0.3047, 0.4997



81.2836, 0.2798, 0.3994



20.1685, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.6000



# Inverse Universe

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



47.8168, 0.3178, 0.2204



41.8685, 0.3186, 0.2022



44.7917, 0.3687, 0.2691



18.3001, 0.3138, 0.3056



14.8733, 0.3208, 0.1541

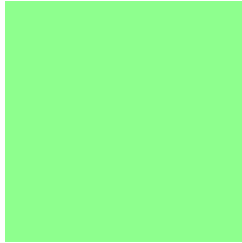


1.4483, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 79.2238, 0.3062, 0.4683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

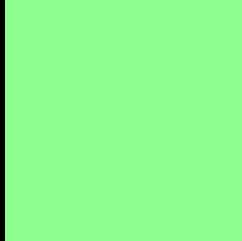
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2238, 0.3062, 0.4683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

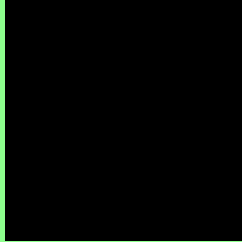
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.2238, 0.3062, 0.4683**

## Background



This preview shows how black text looks on a background with the Yxy color 79.2238, 0.3062, 0.4683.



This preview shows how white text looks on a background with the Yxy color 79.2238, 0.3062, 0.4683.

# 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

79.2238, 0.3062, 0.4683

### Protanopia

78.2138, 0.3926, 0.4267

### Deuteranopia

77.7969, 0.3582, 0.3617



## Tritanopia

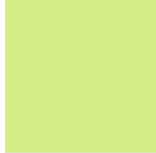
78.6563, 0.2682, 0.3114

# Trichromacy



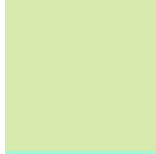
## Original Color

79.2238, 0.3062, 0.4683



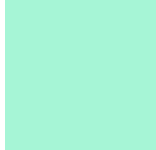
## Protanomaly

76.7755, 0.3567, 0.4425



## Deuteranomaly

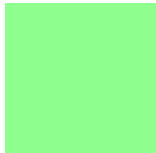
76.7299, 0.3373, 0.3983



## Tritanomaly

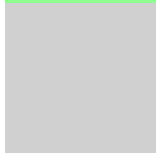
78.2668, 0.2824, 0.3652

# Monochromacy



## Original Color

79.2238, 0.3062, 0.4683



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.5015, 0.3104, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2238, 0.3062, 0.4683 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(142, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 142)  
}
```

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(142, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2238, 0.3062, 0.4683 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(142, 255, 142) }
```

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

```
.border{ border-color:rgb(142, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2238, 0.3062, 0.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 142) }
```

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

```
.background{ background-color: rgb(142,  
255, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor