

# Converting Colors

$Yxy(79.2423, 0.3202, 0.4656)$

Have a look what the booklet for  
Yxy(79.2423, 0.3202, 0.4656)  
contains.

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**Color**

**Yxy(79.2423, 0.3202, 0.4656)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FC8A
RGB	163, 252, 138
RGB Percent	64%, 99%, 54%
CMY	0.3609, 0.0117, 0.4589
CMYK	0.35, 0.00, 0.45, 0.01
HSL	107°, 95%, 76%
HSV	107°, 45%, 99%
XYZ	54.4961, 79.2423, 36.4555
YIQ	212.3930, -16.4500, -54.3220

# Conversions

## Conversions Part 2

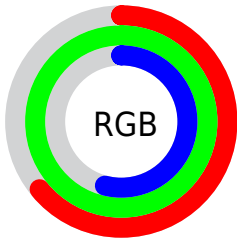
Format	Color
<b>RYB</b>	138, 252, 227
Decimal	10747018
CIELab	91.34, -47.31, 46.20
CIELCh	91, 66.124, 135.680
Yxy	79.2423, 0.3202, 0.4656
Android (android.graphics.Color)	4288937098 (0xFFA3FC8A)
YUV	212.3930, -36.6757, -43.3177
Hunter-Lab	89.0181, -46.5057, 38.0317

# Details

The Yxy color **79.2423, 0.3202, 0.4656** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.5299, 0.2963, 0.2109**, and the grayscale version is **66.3668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7424, 0.3270, 0.3946**, and **42.7503, 0.3178, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **76.6811, 0.3200, 0.4992**, and if you desaturate by 10%, it is **82.3027, 0.3194, 0.4318**.

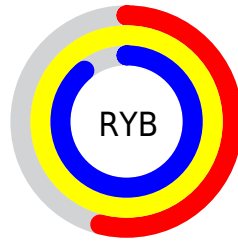
# Distribution



Red (64%)

Green (99%)

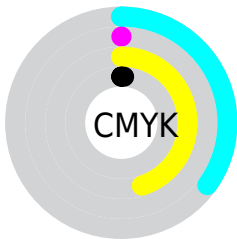
Blue (54%)



Red (54%)

Yellow (99%)

Blue (89%)

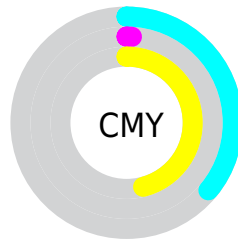


Cyan (35%)

Magenta (0%)

Yellow (45%)

Black (1%)



Cyan (36%)

Magenta (1%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2423, 0.3202, 0.4656 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 79.2423, 0.3202, 0.4656 by changing the saturation by 10% instead.





 79.2423, 0.3202,  
0.4656


 79.2423, 0.3202,  
0.4656

492.3757, 0.3198,  
0.3995


 59.0950, 0.3194,  
0.4812

 132.2999, 0.3207,  
0.4422

 42.6896, 0.3180,  
0.5005


 165.9791, 0.3207,  
0.4333

 29.6417, 0.3153,  
0.5251


 204.9376, 0.3207,  
0.4256

 19.5668, 0.3105,  
0.5571

249.5600, 0.3205,  
0.4189

 12.0805, 0.3014,  
0.5998

300.2306, 0.3204,  
0.4131

 6.7985, 0.2850,  
0.6616


357.3338, 0.3202,


 3.3364, 0.2507,


0.4080

0.7493


421.2541, 0.3200,  
0.4035

 1.3098, 0.0287,  
0.9713


 0.1488, 0.0000,  
1.0000


 79.2423, 0.3202,  
0.4656


 79.2423, 0.3202,  
0.4656


 76.6811, 0.3200,  
0.4992

 82.3027, 0.3194,  
0.4318

 74.5822, 0.3188,  
0.5306

 85.8768, 0.3180,  
0.3994

 72.9195, 0.3164,  
0.5574

 89.9909, 0.3161,  
0.3693

 71.6597, 0.3131,  
0.5777

 94.6667, 0.3139,  
0.3421

■ 70.7643, 0.3090,  
0.5904

■ 98.1078, 0.3128,  
0.3262

■ 70.4472, 0.3071,  
0.5943

# Harmonies

## Analogous

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



79.2423, 0.3925, 0.4647



79.2423, 0.3202, 0.4656



79.2423, 0.2498, 0.4111

# Triad

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



79.2423, 0.3202, 0.4656



79.2423, 0.1892, 0.2218



79.2423, 0.4370, 0.3123

# Complementary

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



79.2423, 0.3202, 0.4656



41.5299, 0.2963, 0.2109

# Split Complementary

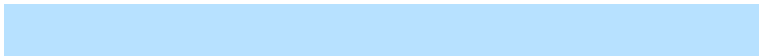
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2423, 0.3685, 0.2627



79.2423, 0.3202, 0.4656



79.2423, 0.2262, 0.2124

# Square

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



79.2423, 0.3202, 0.4656



79.2423, 0.1801, 0.2598



79.2423, 0.2894, 0.2274



79.2423, 0.4660, 0.3685



# Rectangle

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



79.2423, 0.3202, 0.4656



79.2423, 0.2136, 0.3561



79.2423, 0.2894, 0.2274



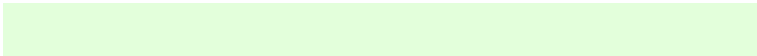
79.2423, 0.4174, 0.2947

# Sweetspot

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



79.2457, 0.3202, 0.4656



93.0018, 0.3158, 0.3658



76.5996, 0.3913, 0.4177



19.6973, 0.3163, 0.3720



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.



79.2457, 0.3202, 0.4656



79.0598, 0.3201, 0.4952



77.8700, 0.2915, 0.4332



19.4926, 0.3149, 0.3533



36.7453, 0.3080, 0.5937



3.4477, 0.3156, 0.5876



# Inverse Universe

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



41.5299, 0.2963, 0.2109



35.9897, 0.2917, 0.1894



44.1186, 0.3454, 0.2444



17.3214, 0.3103, 0.3054



9.8946, 0.2659, 0.1238

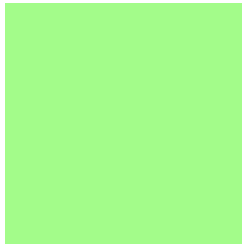


0.9622, 0.2728, 0.1276



# Previews

## White Background



This preview shows how the Yxy color 79.2423, 0.3202, 0.4656 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 79.2423, 0.3202, 0.4656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

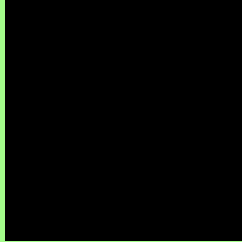
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.2423, 0.3202, 0.4656**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2423, 0.3202, 0.4656.

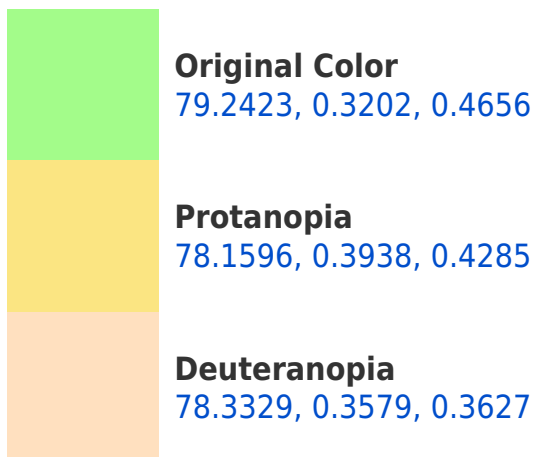


This preview shows how white text looks on a background with the Yxy color 79.2423, 0.3202, 0.4656.

# 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





## Tritanopia

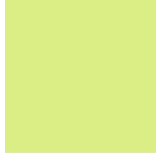
79.0604, 0.2724, 0.3105

# Trichromacy



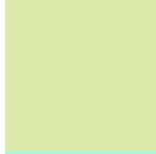
## Original Color

79.2423, 0.3202, 0.4656



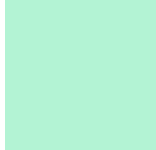
## Protanomaly

77.3219, 0.3646, 0.4423



## Deuteranomaly

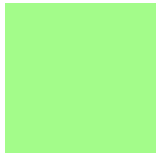
77.3538, 0.3439, 0.3971



## Tritanomaly

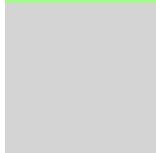
78.4384, 0.2907, 0.3647

# Monochromacy



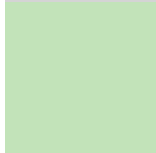
## Original Color

79.2423, 0.3202, 0.4656



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

69.9103, 0.3166, 0.3785

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2423, 0.3202, 0.4656 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(163, 252, 138)` looks like.

```
.text, #text, p{  
    color:rgb(163, 252, 138)  
}
```

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(163, 252, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 252, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2423, 0.3202, 0.4656 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(163, 252, 138) }
```

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

```
.border{ border-color:rgb(163, 252, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 252, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 252, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 252, 138);  
box-shadow:4px 4px 4px 4px rgb(163, 252,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2423, 0.3202, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 252, 138) }
```

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

```
.background{ background-color: rgb(163,  
252, 138) }
```

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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