

# Converting Colors

$Yxy(78.4228, 0.3120, 0.4373)$

Have a look what the booklet for  
Yxy(78.4228, 0.3120, 0.4373)  
contains.

<b>Yxy(78.3616, 0.3117, 0.4373)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(78.3616, 0.3117, 0.4373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F99F
RGB	166, 249, 159
RGB Percent	65%, 98%, 62%
CMY	0.3491, 0.0235, 0.3765
CMYK	0.33, 0.00, 0.36, 0.02
HSL	115°, 88%, 80%
HSV	115°, 36%, 98%
XYZ	55.8548, 78.3616, 44.9777
YIQ	213.9230, -20.5780, -45.5860

# Conversions

## Conversions Part 2

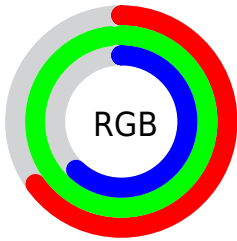
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 249, 242
Decimal	10942879
CIELab	90.94, -42.16, 35.44
CIELCh	91, 55.078, 139.955
Yxy	78.3616, 0.3117, 0.4373
Android (android.graphics.Color)	4289132959 (0xFFA6F99F)
YUV	213.9230, -27.0770, -42.0285
Hunter-Lab	88.5221, -42.2854, 31.8404

# Details

The Yxy color **78.3616, 0.3117, 0.4373** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.5161, 0.3111, 0.2377**, and the grayscale version is **67.3843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0630, 0.3163, 0.3717**, and **42.1194, 0.3098, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **75.3216, 0.3107, 0.4727**, and if you desaturate by 10%, it is **82.0256, 0.3123, 0.4035**.

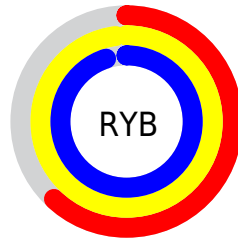
# Distribution



Red (65%)

Green (98%)

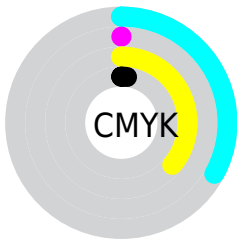
Blue (62%)



Red (62%)

Yellow (98%)

Blue (95%)

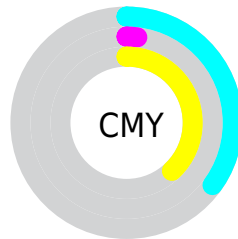


Cyan (33%)

Magenta (0%)

Yellow (36%)

Black (2%)



Cyan (35%)

Magenta (2%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3616, 0.3117, 0.4373 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 78.3616, 0.3117, 0.4373 by changing the saturation by 10% instead.





 78.3616, 0.3117,  
0.4373


 78.3616, 0.3117,  
0.4373


489.3940, 0.3140,  
0.3849

 58.3711, 0.3107,  
0.4497


 131.0597, 0.3129,  
0.4187

 42.1070, 0.3091,  
0.4653

 164.5361, 0.3132,  
0.4116

 29.1851, 0.3067,  
0.4853


203.2766, 0.3135,  
0.4055

 19.2209, 0.3028,  
0.5118

247.6656, 0.3137,  
0.4003

 11.8300, 0.2960,  
0.5482

298.0874, 0.3138,  
0.3957

 6.6280, 0.2832,  
0.6006


354.9265, 0.3139,


 3.2306, 0.2713,


0.3917


0.7182


418.5672, 0.3139,  
0.3881


 1.2533, 0.0889,  
0.9111


 0.1046, 0.0000,  
1.0000


 78.3616, 0.3117,  
0.4373


 78.3616, 0.3117,  
0.4373


 75.3216, 0.3107,  
0.4727


 82.0256, 0.3123,  
0.4035

 72.8616, 0.3094,  
0.5077

 86.3353, 0.3126,  
0.3724

 70.9474, 0.3077,  
0.5400

 91.3231, 0.3127,  
0.3445

 69.5372, 0.3057,  
0.5668

 96.2377, 0.3130,  
0.3233

■ 68.5831, 0.3037,  
0.5860

■ 68.0278, 0.3018,  
0.5966

■ 67.8993, 0.3013,  
0.5990

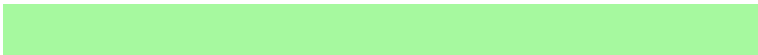
# Harmonies

## Analogous

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



78.3616, 0.3738, 0.4456



78.3616, 0.3117, 0.4373



78.3616, 0.2530, 0.3876

# Triad

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



78.3616, 0.3117, 0.4373



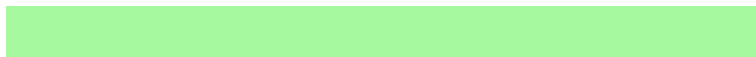
78.3616, 0.2098, 0.2352



78.3616, 0.4224, 0.3229

# Complementary

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



78.3616, 0.3117, 0.4373



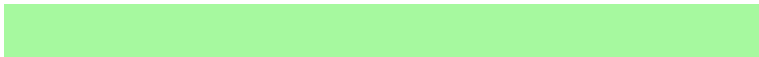
50.5161, 0.3111, 0.2377

# 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.



78.3616, 0.3691, 0.2782



78.3616, 0.3117, 0.4373



78.3616, 0.2458, 0.2294

# Square

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



78.3616, 0.3117, 0.4373



78.3616, 0.1985, 0.2654



78.3616, 0.3028, 0.2450

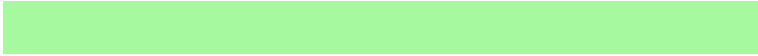


78.3616, 0.4418, 0.3722



# Rectangle

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



78.3616, 0.3117, 0.4373



78.3616, 0.2236, 0.3426



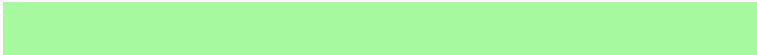
78.3616, 0.3028, 0.2450



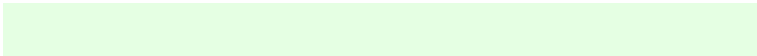
78.3616, 0.4076, 0.3071

# Sweetspot

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



78.3649, 0.3117, 0.4373



93.7420, 0.3127, 0.3576



85.8568, 0.3697, 0.4126



19.9128, 0.3127, 0.3614



0.0000, 0.0000, 0.0000

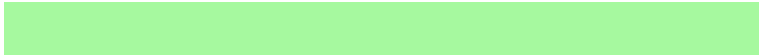


21.4041, 0.3127, 0.3290

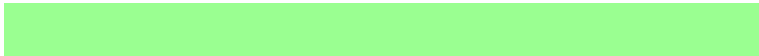


# Same Dimension

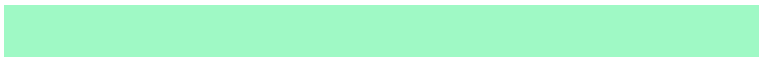
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3649, 0.3117, 0.4373



80.4310, 0.3111, 0.4616



79.1362, 0.2880, 0.3916



19.3735, 0.3127, 0.3534



36.3648, 0.3017, 0.5987



3.3895, 0.3055, 0.5956



# Inverse Universe

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



50.5161, 0.3111, 0.2377



47.2604, 0.3105, 0.2209



49.6637, 0.3493, 0.2741



17.4521, 0.3126, 0.3055



12.6671, 0.3015, 0.1434

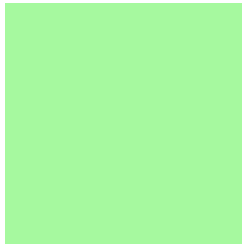


1.1929, 0.3039, 0.1448



# Previews

## White Background



This preview shows how the Yxy color 78.3616, 0.3117, 0.4373 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 78.3616, 0.3117, 0.4373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

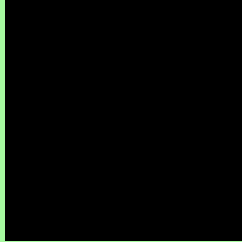
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3616, 0.3117, 0.4373**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3616, 0.3117, 0.4373.

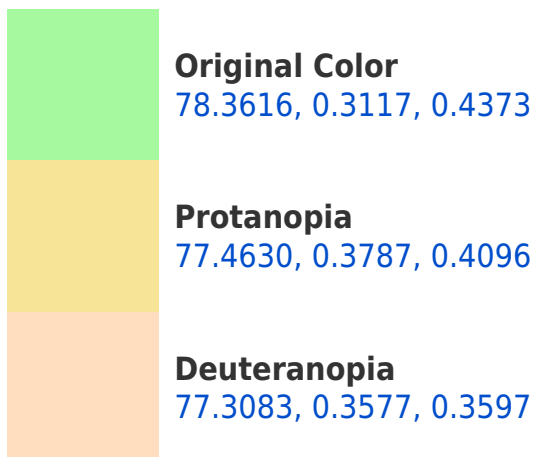


This preview shows how white text looks on a background with the Yxy color 78.3616, 0.3117, 0.4373.

# 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

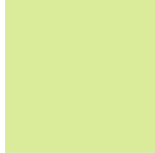
78.2275, 0.2712, 0.3093

# Trichromacy



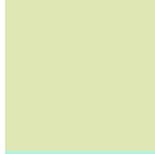
## Original Color

78.3616, 0.3117, 0.4373



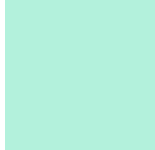
## Protanomaly

77.1962, 0.3524, 0.4207



## Deuteranomaly

76.6965, 0.3399, 0.3861



## Tritanomaly

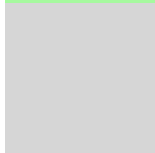
77.6616, 0.2862, 0.3530

# Monochromacy



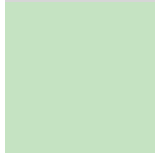
## Original Color

78.3616, 0.3117, 0.4373



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.7035, 0.3130, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3616, 0.3117, 0.4373 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(166, 249, 159)` looks like.

```
.text, #text, p{  
    color:rgb(166, 249, 159)  
}
```

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(166, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 249, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3616, 0.3117, 0.4373 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(166, 249, 159) }
```

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

```
.border{ border-color:rgb(166, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 249, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 249, 159);  
box-shadow:4px 4px 4px 4px rgb(166, 249,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3616, 0.3117, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 249, 159) }
```

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

```
.background{ background-color: rgb(166,  
249, 159) }
```

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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