

# Converting Colors

$Yxy(73.3390, 0.3131, 0.4847)$

Have a look what the booklet for  
Yxy(73.3390, 0.3131, 0.4847)  
contains.

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**Color**

**Yxy(73.3800, 0.3127, 0.4844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AF77C
RGB	138, 247, 124
RGB Percent	54%, 97%, 49%
CMY	0.4592, 0.0313, 0.5137
CMYK	0.44, 0.00, 0.50, 0.03
HSL	113°, 89%, 73%
HSV	113°, 50%, 97%
XYZ	47.3698, 73.3800, 30.7366
YIQ	200.3870, -25.4810, -61.3610

# Conversions

## Conversions Part 2

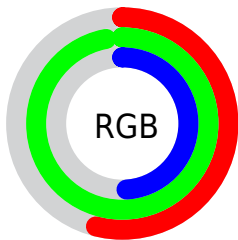
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 247, 233
Decimal	9107324
CIELab	88.63, -54.56, 49.20
CIELCh	89, 73.467, 137.961
Yxy	73.3800, 0.3127, 0.4844
Android (android.graphics.Color)	4287297404 (0xFF8AF77C)
YUV	200.3870, -37.6588, -54.7134
Hunter-Lab	85.6621, -51.2011, 38.6895

# Details

The Yxy color **73.3800, 0.3127, 0.4844** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.4746, 0.3058, 0.2041**, and the grayscale version is **58.2483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6450, 0.3196, 0.4138**, and **38.9441, 0.3078, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **71.1518, 0.3114, 0.5184**, and if you desaturate by 10%, it is **76.1477, 0.3135, 0.4493**.

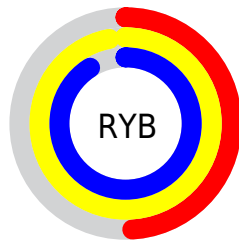
# Distribution



Red (54%)

Green (97%)

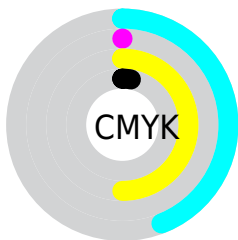
Blue (49%)



Red (49%)

Yellow (97%)

Blue (91%)

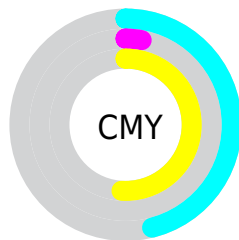


Cyan (44%)

Magenta (0%)

Yellow (50%)

Black (3%)



Cyan (46%)

Magenta (3%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3800, 0.3127, 0.4844 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 73.3800, 0.3127, 0.4844 by changing the saturation by 10% instead.





 73.3800, 0.3127,  
0.4844

 73.3800, 0.3127,  
0.4844


472.3308, 0.3166,  
0.4076


 54.2867, 0.3106,  
0.5028


 124.0165, 0.3150,  
0.4570

 38.8310, 0.3074,  
0.5259


 156.3286, 0.3156,  
0.4465

 26.6282, 0.3022,  
0.5553


 193.8157, 0.3160,  
0.4376

 17.2942, 0.2935,  
0.5939

236.8622, 0.3163,  
0.4299

 10.4445, 0.2781,  
0.6453

285.8526, 0.3164,  
0.4232

 5.6946, 0.2585,  
0.7400


341.1712, 0.3165,

 2.6603, 0.1910,

0.4174


0.8090


403.2025, 0.3166,  
0.4122

 0.9571, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.3800, 0.3127,  
0.4844


 73.3800, 0.3127,  
0.4844


 71.1518, 0.3114,  
0.5184


 76.1477, 0.3135,  
0.4493

 69.4191, 0.3095,  
0.5488

 79.4772, 0.3138,  
0.4151

 68.1461, 0.3072,  
0.5731

 83.4006, 0.3137,  
0.3832


 67.2880, 0.3046,  
0.5895

 87.9452, 0.3133,  
0.3542

 66.7849, 0.3023,  
0.5981

 93.1362, 0.3127,  
0.3285

 66.7776, 0.3023,  
0.5982

 95.0116, 0.3131,  
0.3214

# Harmonies

## Analogous

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



73.3800, 0.3944, 0.4844



73.3800, 0.3127, 0.4844



73.3800, 0.2354, 0.4168

# Triad

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



73.3800, 0.3127, 0.4844



73.3800, 0.1773, 0.2069



73.3800, 0.4587, 0.3133

# Complementary

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



73.3800, 0.3127, 0.4844



38.4746, 0.3058, 0.2041

# 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.



73.3800, 0.3825, 0.2583



73.3800, 0.3127, 0.4844



73.3800, 0.2198, 0.1996

# Square

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



73.3800, 0.3127, 0.4844



73.3800, 0.1648, 0.2452



73.3800, 0.2921, 0.2182



73.3800, 0.4863, 0.3751



# Rectangle

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



73.3800, 0.3127, 0.4844



73.3800, 0.1971, 0.3516



73.3800, 0.2921, 0.2182



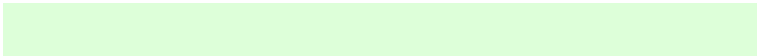
73.3800, 0.4374, 0.2938

# Sweetspot

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



73.3831, 0.3127, 0.4844



91.9008, 0.3135, 0.3689



79.3210, 0.3925, 0.4382



19.4537, 0.3136, 0.3751



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.



73.3831, 0.3127, 0.4844



76.4226, 0.3113, 0.5194



73.7635, 0.2830, 0.4264



18.5617, 0.3133, 0.3533



35.3410, 0.3028, 0.5978



3.1349, 0.3083, 0.5934



# Inverse Universe

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



38.4746, 0.3058, 0.2041



34.8477, 0.3033, 0.1824



38.3575, 0.3651, 0.2501



16.6676, 0.3120, 0.3056



11.5616, 0.2926, 0.1385

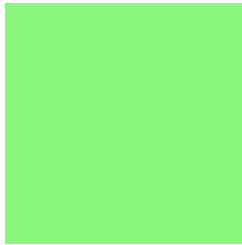


1.0427, 0.2963, 0.1406



# Previews

## White Background



This preview shows how the Yxy color 73.3800, 0.3127, 0.4844 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 73.3800, 0.3127, 0.4844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

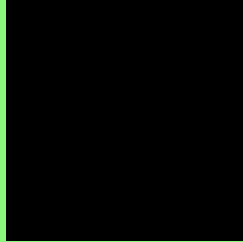
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

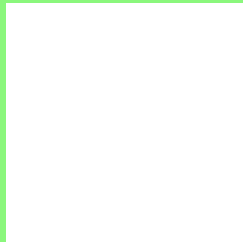
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.3800, 0.3127, 0.4844**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3800, 0.3127, 0.4844.

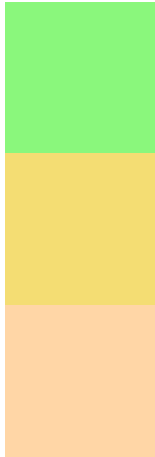


This preview shows how white text looks on a background with the Yxy color 73.3800, 0.3127, 0.4844.

# 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

73.3800, 0.3127, 0.4844

### Protanopia

72.1838, 0.4013, 0.4372

### Deuteranopia

72.1063, 0.3789, 0.3786



## Tritanopia

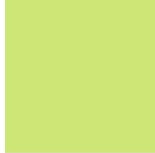
73.0926, 0.2599, 0.3073

# Trichromacy



## Original Color

73.3800, 0.3127, 0.4844



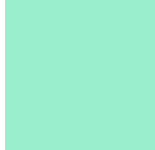
## Protanomaly

70.8808, 0.3650, 0.4560



## Deuteranomaly

70.6241, 0.3519, 0.4147



## Tritanomaly

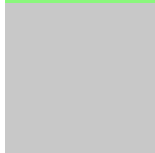
72.4269, 0.2799, 0.3692

# Monochromacy



## Original Color

73.3800, 0.3127, 0.4844



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.9514, 0.3136, 0.3856

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3800, 0.3127, 0.4844 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, 247, 124)` looks like.

```
.text, #text, p{  
    color:rgb(138, 247, 124)  
}
```

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, 247, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 247, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3800, 0.3127, 0.4844 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, 247, 124) }
```

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

```
.border{ border-color:rgb(138, 247, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 247, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 247, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 247, 124);  
box-shadow:4px 4px 4px 4px rgb(138, 247,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3800, 0.3127, 0.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 247, 124) }
```

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

```
.background{ background-color: rgb(138,  
247, 124) }
```

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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