

# Converting Colors

$Yxy(37.9720, 0.3148, 0.4075)$

Have a look what the booklet for  
Yxy(37.9720, 0.3148, 0.4075)  
contains.

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# Color

**Yxy(38.0449, 0.3149, 0.4078)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86B17F
RGB	134, 177, 127
RGB Percent	53%, 69%, 50%
CMY	0.4747, 0.3058, 0.5020
CMYK	0.24, 0.00, 0.28, 0.31
HSL	112°, 24%, 60%
HSV	112°, 28%, 69%
XYZ	29.3780, 38.0449, 25.8702
YIQ	158.4430, -9.5780, -24.6660

# Conversions

## Conversions Part 2

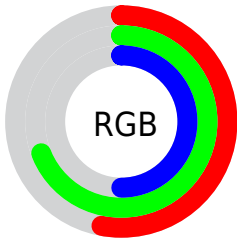
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 177, 170
Decimal	8827263
CIELab	68.05, -24.24, 21.05
CIElCh	68, 32.100, 139.029
Yxy	38.0449, 0.3149, 0.4078
Android (android.graphics.Color)	4287017343 (0xFF86B17F)
YUV	158.4430, -15.5014, -21.4365
Hunter-Lab	61.6805, -22.9228, 18.3089

# Details

The Yxy color **38.0449, 0.3149, 0.4078** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.9036, 0.3084, 0.2584**, and the grayscale version is **34.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2645, 0.3151, 0.3918**, and **16.8044, 0.3134, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **36.4621, 0.3151, 0.4407**, and if you desaturate by 10%, it is **39.8924, 0.3144, 0.3772**.

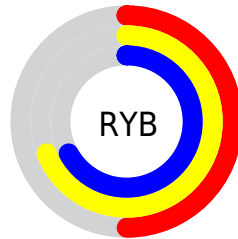
# Distribution



Red (53%)

Green (69%)

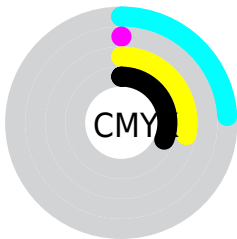
Blue (50%)



Red (50%)

Yellow (69%)

Blue (67%)

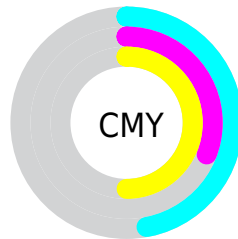


Cyan (24%)

Magenta (0%)

Yellow (28%)

Black (31%)



Cyan (47%)

Magenta (31%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0449, 0.3149, 0.4078 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 38.0449, 0.3149, 0.4078 by changing the saturation by 10% instead.





 38.0449, 0.3149,  
0.4078


 38.0449, 0.3149,  
0.4078


337.8125, 0.3147,  
0.3654

 26.0175, 0.3146,  
0.4194


 72.1770, 0.3151,  
0.3916

 16.8368, 0.3138,  
0.4350


 95.0504, 0.3151,  
0.3858

 10.1182, 0.3123,  
0.4569


 122.3081, 0.3150,  
0.3810

 5.4774, 0.3090,  
0.4896

154.3343, 0.3150,  
0.3769

 2.5300, 0.3020,  
0.5460

191.5134, 0.3149,  
0.3734

 0.8916, 0.2229,  
0.7771

234.2299, 0.3149,

 0.0000, 0.0000,

0.3704

0.0000

282.8682, 0.3148,  
0.3677

■ 38.0449, 0.3149,  
0.4078

■ 38.0449, 0.3149,  
0.4078

■ 36.4621, 0.3151,  
0.4407

■ 39.8924, 0.3144,  
0.3772

■ 35.1273, 0.3147,  
0.4747

■ 42.0110, 0.3135,  
0.3496

■ 34.0292, 0.3137,  
0.5083

■ 44.4127, 0.3125,  
0.3249


■ 33.1538, 0.3121,  
0.5391

■ 47.1076, 0.3114,  
0.3033


■ 32.4855, 0.3098,  
0.5649


■ 50.1050, 0.3103,  
0.2844


 32.0067, 0.3070,  
0.5837

 53.4140, 0.3092,  
0.2679

 31.6937, 0.3043,  
0.5952

 57.0433, 0.3081,  
0.2537

 31.6521, 0.3039,  
0.5969

 59.9301, 0.3163,  
0.2527

# Harmonies

## Analogous

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



38.0449, 0.3614, 0.4152



38.0449, 0.3149, 0.4078



38.0449, 0.2699, 0.3731

# Triad

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



38.0449, 0.3149, 0.4078



38.0449, 0.2335, 0.2585



38.0449, 0.3929, 0.3247

# Complementary

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



38.0449, 0.3149, 0.4078



26.9036, 0.3084, 0.2584

# 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.



38.0449, 0.3535, 0.2896



38.0449, 0.3149, 0.4078



38.0449, 0.2613, 0.2524

# Square

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



38.0449, 0.3149, 0.4078



38.0449, 0.2253, 0.2836



38.0449, 0.3046, 0.2639



38.0449, 0.4087, 0.3630



# Rectangle

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



38.0449, 0.3149, 0.4078



38.0449, 0.2466, 0.3415



38.0449, 0.3046, 0.2639



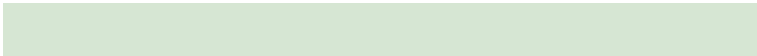
38.0449, 0.3818, 0.3123

# Sweetspot

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



38.0465, 0.3149, 0.4078



75.2761, 0.3135, 0.3492



39.4475, 0.3572, 0.3887



16.1848, 0.3137, 0.3531



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



38.0465, 0.3149, 0.4078



66.2810, 0.3151, 0.4284



37.9904, 0.2958, 0.3803



9.5449, 0.3136, 0.3524



22.9450, 0.3044, 0.5965



0.7397, 0.3187, 0.5852



# Inverse Universe

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



26.9036, 0.3084, 0.2584



42.9748, 0.3071, 0.2423



27.0462, 0.3349, 0.2828



8.5856, 0.3116, 0.3064



7.1824, 0.2865, 0.1352



0.2424, 0.2967, 0.1408



# Previews

## White Background



This preview shows how the Yxy color 38.0449, 0.3149, 0.4078 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 38.0449, 0.3149, 0.4078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

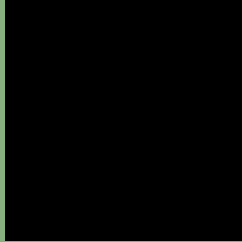
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0449, 0.3149, 0.4078**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0449, 0.3149, 0.4078.



This preview shows how white text looks on a background with the Yxy color 38.0449, 0.3149, 0.4078.

# 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

38.0449, 0.3149, 0.4078

### Protanopia

37.6625, 0.3634, 0.3899

### Deuteranopia

37.7724, 0.3737, 0.3667



## Tritanopia

38.0976, 0.2802, 0.3101

# Trichromacy



**Original Color**

38.0449, 0.3149, 0.4078

**Protanomaly**

37.4082, 0.3441, 0.3958

**Deuteranomaly**

37.6548, 0.3507, 0.3808

**Tritanomaly**

38.1069, 0.2922, 0.3440

# Monochromacy



**Original Color**

38.0449, 0.3149, 0.4078

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

35.4064, 0.3133, 0.3565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0449, 0.3149, 0.4078 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(134, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(134, 177, 127)  
}
```

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(134, 177, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 177, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0449, 0.3149, 0.4078 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(134, 177, 127) }
```

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

```
.border{ border-color:rgb(134, 177, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 177, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 177, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 177, 127);  
box-shadow:4px 4px 4px 4px rgb(134, 177,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0449, 0.3149, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 177, 127) }
```

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

```
.background{ background-color: rgb(134,  
177, 127) }
```

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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