

# Converting Colors

$Yxy(38.5647, 0.3156, 0.3912)$

Have a look what the booklet for  
Yxy(38.5647, 0.3156, 0.3912)  
contains.

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# Color

**Yxy(38.5507, 0.3158, 0.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EB087
RGB	142, 176, 135
RGB Percent	56%, 69%, 53%
CMY	0.4432, 0.3098, 0.4707
CMYK	0.19, 0.00, 0.23, 0.31
HSL	110°, 21%, 61%
HSV	110°, 23%, 69%
XYZ	31.0490, 38.5507, 28.7188
YIQ	161.1600, -7.1030, -19.9590

# Conversions

## Conversions Part 2

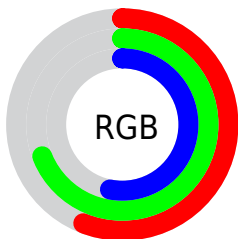
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 176, 169
Decimal	9351303
CIELab	68.42, -19.54, 17.30
CIELCh	68, 26.099, 138.490
Yxy	38.5507, 0.3158, 0.3921
Android (android.graphics.Color)	4287541383 (0xFF8EB087)
YUV	161.1600, -12.8969, -16.8033
Hunter-Lab	62.0892, -19.3935, 16.0384

# Details

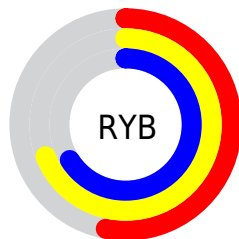
The Yxy color **38.5507, 0.3158, 0.3921** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8953, 0.3081, 0.2708**, and the grayscale version is **35.7802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0798, 0.3157, 0.3801**, and **17.0459, 0.3158, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **36.8891, 0.3166, 0.4237**, and if you desaturate by 10%, it is **40.4668, 0.3146, 0.3631**.

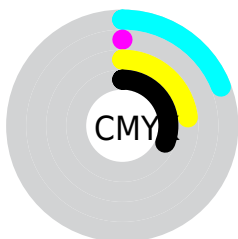
# Distribution



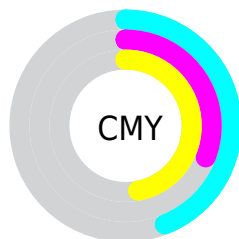
- Red (56%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (66%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)




- Cyan (44%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5507, 0.3158, 0.3921 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 38.5507, 0.3158, 0.3921 by changing the saturation by 10% instead.





 38.5507, 0.3158,  
0.3921


 38.5507, 0.3158,  
0.3921


339.9765, 0.3148,  
0.3584


 26.4104, 0.3158,  
0.4012


 72.9514, 0.3156,  
0.3793

 17.1309, 0.3157,  
0.4134


 95.9806, 0.3155,  
0.3747

 10.3279, 0.3152,  
0.4305


 123.4083, 0.3153,  
0.3709

 5.6169, 0.3137,  
0.4559

155.6187, 0.3152,  
0.3676

 2.6135, 0.3096,  
0.4976

192.9963, 0.3151,  
0.3648

 0.9335, 0.3048,  
0.6952

235.9256, 0.3150,

 0.0000, 0.0000,

0.3624

0.0000

284.7908, 0.3149,  
0.3603

■ 38.5507, 0.3158,  
0.3921

■ 38.5507, 0.3158,  
0.3921

■ 36.8891, 0.3166,  
0.4237

■ 40.4668, 0.3146,  
0.3631

■ 35.4664, 0.3169,  
0.4570

■ 42.6424, 0.3132,  
0.3370

■ 34.2730, 0.3166,  
0.4906


■ 45.0884, 0.3117,  
0.3138

■ 33.2967, 0.3154,  
0.5228


■ 47.8138, 0.3101,  
0.2935

■ 32.5241, 0.3134,  
0.5512


■ 50.8271, 0.3085,  
0.2758


 31.9401, 0.3106,  
0.5737

 54.1364, 0.3070,  
0.2603

 31.5275, 0.3074,  
0.5888

 57.5423, 0.3079,  
0.2497

 31.3311, 0.3054,  
0.5957

 59.5353, 0.3163,  
0.2517

# Harmonies

## Analogous

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



38.5507, 0.3535, 0.3985



38.5507, 0.3158, 0.3921



38.5507, 0.2788, 0.3650

# Triad

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



38.5507, 0.3158, 0.3921



38.5507, 0.2474, 0.2718



38.5507, 0.3770, 0.3256

# Complementary

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



38.5507, 0.3158, 0.3921



28.8953, 0.3081, 0.2708

# 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.



38.5507, 0.3452, 0.2963



38.5507, 0.3158, 0.3921



38.5507, 0.2704, 0.2659

# Square

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



38.5507, 0.3158, 0.3921



38.5507, 0.2408, 0.2932



38.5507, 0.3057, 0.2750



38.5507, 0.3903, 0.3573



# Rectangle

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



38.5507, 0.3158, 0.3921



38.5507, 0.2593, 0.3402



38.5507, 0.3057, 0.2750



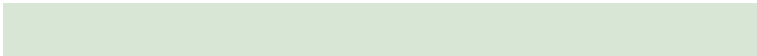
38.5507, 0.3680, 0.3153

# Sweetspot

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



38.5523, 0.3158, 0.3921



75.7671, 0.3138, 0.3466



39.1666, 0.3494, 0.3763



16.3703, 0.3139, 0.3481



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.



38.5523, 0.3158, 0.3921



68.2931, 0.3163, 0.4082



38.3420, 0.2997, 0.3723



9.5574, 0.3141, 0.3523



23.0029, 0.3059, 0.5953



0.7449, 0.3226, 0.5821



# Inverse Universe

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



28.8953, 0.3081, 0.2708



47.6728, 0.3067, 0.2575



29.1993, 0.3288, 0.2893



8.5720, 0.3111, 0.3064



6.8069, 0.2788, 0.1309



0.2335, 0.2913, 0.1378



# Previews

## White Background



This preview shows how the Yxy color 38.5507, 0.3158, 0.3921 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 38.5507, 0.3158, 0.3921 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 38.5507, 0.3158, 0.3921**

## Background



This preview shows how black text looks on a background with the Yxy color 38.5507, 0.3158, 0.3921.



This preview shows how white text looks on a background with the Yxy color 38.5507, 0.3158, 0.3921.

# 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

38.5507, 0.3158, 0.3921

### Protanopia

38.2313, 0.3557, 0.3799

### Deuteranopia

38.1831, 0.3654, 0.3587



## Tritanopia

38.6524, 0.2850, 0.3104

# Trichromacy



## Original Color

38.5507, 0.3158, 0.3921

## Protanomaly

38.3079, 0.3399, 0.3846

## Deuteranomaly

38.0772, 0.3463, 0.3703

## Tritanomaly

38.4613, 0.2957, 0.3378

# Monochromacy



## Original Color

38.5507, 0.3158, 0.3921

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

36.4095, 0.3136, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5507, 0.3158, 0.3921 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, 176, 135)` looks like.

```
.text, #text, p{  
    color:rgb(142, 176, 135)  
}
```

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, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 176, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5507, 0.3158, 0.3921 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, 176, 135) }
```

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

```
.border{ border-color:rgb(142, 176, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 176, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 176, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 176, 135);  
box-shadow:4px 4px 4px 4px rgb(142, 176,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5507, 0.3158, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 176, 135) }
```

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

```
.background{ background-color: rgb(142,  
176, 135) }
```

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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