

# Converting Colors

Yxy(38.4818, 0.3255, 0.4147)

Have a look what the booklet for  
Yxy(38.4818, 0.3255, 0.4147)  
contains.

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# Color

**Yxy(38.5121, 0.3250, 0.4142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DB17A
RGB	141, 177, 122
RGB Percent	55%, 69%, 48%
CMY	0.4471, 0.3059, 0.5216
CMYK	0.20, 0.00, 0.31, 0.31
HSL	99°, 26%, 59%
HSV	99°, 31%, 69%
XYZ	30.2183, 38.5121, 24.2490
YIQ	159.9660, -3.8010, -24.7370

# Conversions

## Conversions Part 2

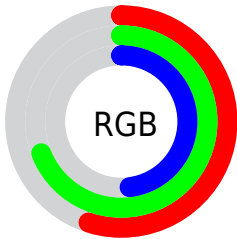
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 177, 158
Decimal	9286010
CIELab	68.40, -22.52, 24.28
CIELCh	68, 33.118, 132.846
Yxy	38.5121, 0.3250, 0.4142
Android (android.graphics.Color)	4287476090 (0xFF8DB17A)
YUV	159.9660, -18.7172, -16.6332
Hunter-Lab	62.0581, -21.6836, 20.2733

# Details

The Yxy color **38.5121, 0.3250, 0.4142** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.3597, 0.2955, 0.2482**, and the grayscale version is **35.2265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9751, 0.3230, 0.3969**, and **17.0700, 0.3269, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **37.1512, 0.3279, 0.4454**, and if you desaturate by 10%, it is **40.0625, 0.3214, 0.3844**.

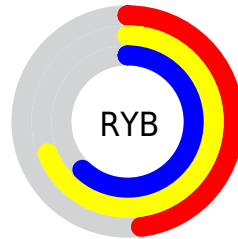
# Distribution



Red (55%)

Green (69%)

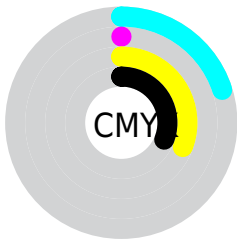
Blue (48%)



Red (48%)

Yellow (69%)

Blue (62%)

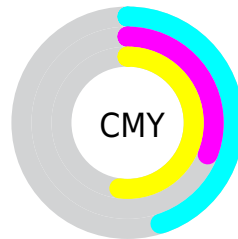


Cyan (20%)

Magenta (0%)

Yellow (31%)

Black (31%)



Cyan (45%)

Magenta (31%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5121, 0.3250, 0.4142 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 38.5121, 0.3250, 0.4142 by changing the saturation by 10% instead.





 38.5121, 0.3250,  
0.4142


 38.5121, 0.3250,  
0.4142


339.8117, 0.3197,  
0.3685

 26.3804, 0.3259,  
0.4266


 72.8924, 0.3234,  
0.3969

 17.1084, 0.3268,  
0.4431


 95.9097, 0.3227,  
0.3906

 10.3118, 0.3273,  
0.4661


 123.3244, 0.3220,  
0.3854

 5.6062, 0.3265,  
0.5001

155.5208, 0.3215,  
0.3809

 2.6071, 0.3259,  
0.5620

192.8834, 0.3210,  
0.3772

 0.9303, 0.2640,  
0.7360

235.7964, 0.3205,

 0.0000, 0.0000,

0.3739

0.0000

284.6444, 0.3201,  
0.3711

■ 38.5121, 0.3250,  
0.4142

■ 38.5121, 0.3250,  
0.4142

■ 37.1512, 0.3279,  
0.4454

■ 40.0625, 0.3214,  
0.3844

■ 35.9673, 0.3299,  
0.4770

■ 41.8044, 0.3174,  
0.3568

■ 34.9537, 0.3305,  
0.5075


■ 43.7464, 0.3132,  
0.3316


■ 34.1017, 0.3296,  
0.5350

■ 45.8948, 0.3090,  
0.3089

■ 33.4012, 0.3270,  
0.5579


■ 48.2557, 0.3049,  
0.2887


 32.8413, 0.3229,  
0.5748

 50.8349, 0.3009,  
0.2709

 32.4435, 0.3185,  
0.5853

 53.6380, 0.2972,  
0.2551

 56.1045, 0.2997,  
0.2487

 58.1263, 0.3087,  
0.2509

# Harmonies

## Analogous

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



38.5121, 0.3714, 0.4155



38.5121, 0.3250, 0.4142



38.5121, 0.2774, 0.3835

# Triad

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



38.5121, 0.3250, 0.4142



38.5121, 0.2281, 0.2604



38.5121, 0.3884, 0.3166

# Complementary

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



38.5121, 0.3250, 0.4142



24.3597, 0.2955, 0.2482

# 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.



38.5121, 0.3445, 0.2822



38.5121, 0.3250, 0.4142



38.5121, 0.2526, 0.2503

# Square

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



38.5121, 0.3250, 0.4142



38.5121, 0.2240, 0.2899



38.5121, 0.2942, 0.2585



38.5121, 0.4104, 0.3557



# Rectangle

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



38.5121, 0.3250, 0.4142



38.5121, 0.2514, 0.3521



38.5121, 0.2942, 0.2585



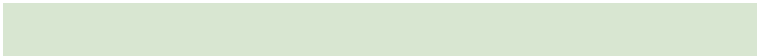
38.5121, 0.3755, 0.3043

# Sweetspot

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



38.5138, 0.3250, 0.4142



75.5076, 0.3166, 0.3517



35.1210, 0.3663, 0.3803



16.2606, 0.3172, 0.3554



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.



38.5138, 0.3250, 0.4142



67.3370, 0.3270, 0.4345



37.2014, 0.3024, 0.4047



9.6281, 0.3166, 0.3522



23.5356, 0.3193, 0.5847



0.7737, 0.3429, 0.5660



# Inverse Universe

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



24.3597, 0.2955, 0.2482



38.1111, 0.2908, 0.2302



26.1194, 0.3252, 0.2635



8.4969, 0.3084, 0.3062



5.0172, 0.2367, 0.1078



0.1887, 0.2609, 0.1211



# Previews

## White Background



This preview shows how the Yxy color 38.5121, 0.3250, 0.4142 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 38.5121, 0.3250, 0.4142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

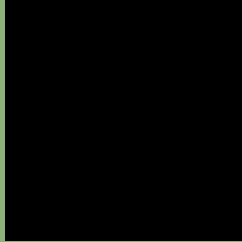
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.5121, 0.3250, 0.4142**

## Background



This preview shows how black text looks on a background with the Yxy color 38.5121, 0.3250, 0.4142.



This preview shows how white text looks on a background with the Yxy color 38.5121, 0.3250, 0.4142.

# 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

38.5121, 0.3250, 0.4142

### Protanopia

38.1405, 0.3695, 0.3977

### Deuteranopia

38.3837, 0.3812, 0.3742



## Tritanopia

38.3741, 0.2858, 0.3090

# Trichromacy



**Original Color**

38.5121, 0.3250, 0.4142

**Protanomaly**

38.0807, 0.3521, 0.4036

**Deuteranomaly**

37.9832, 0.3592, 0.3872

**Tritanomaly**

38.2813, 0.2997, 0.3453

# Monochromacy



**Original Color**

38.5121, 0.3250, 0.4142

**Achromatopsia**

35.1533, 0.3127, 0.3290

**Achromatomaly**

36.1201, 0.3178, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5121, 0.3250, 0.4142 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(141, 177, 122)` looks like.

```
.text, #text, p{  
    color:rgb(141, 177, 122)  
}
```

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(141, 177, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 177, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5121, 0.3250, 0.4142 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(141, 177, 122) }
```

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

```
.border{ border-color:rgb(141, 177, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 177, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 177, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 177, 122); box-shadow:4px 4px 4px 4px rgb(141, 177, 122) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5121, 0.3250, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 177, 122) }
```

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

```
.background{ background-color: rgb(141,  
177, 122) }
```

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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