

Converting Colors

$Yxy(38.4459, 0.3165, 0.4179)$

Have a look what the booklet for
Yxy(38.4459, 0.3165, 0.4179)
contains.

Yxy(38.5509, 0.3168, 0.4190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.5509, 0.3168, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	84B37A
RGB	132, 179, 122
RGB Percent	52%, 70%, 48%
CMY	0.4823, 0.2980, 0.5217
CMYK	0.26, 0.00, 0.32, 0.30
HSL	109°, 27%, 59%
HSV	109°, 32%, 70%
XYZ	29.1478, 38.5509, 24.3082
YIQ	158.4490, -9.7150, -27.6910

Conversions

Conversions Part 2

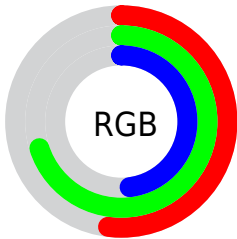
Format	Color
RYB	122, 179, 169
Decimal	8696698
CIELab	68.42, -26.72, 24.23
CIELCh	68, 36.073, 137.798
Yxy	38.5509, 0.3168, 0.4190
Android (android.graphics.Color)	4286886778 (0xFF84B37A)
YUV	158.4490, -17.9694, -23.1958
Hunter-Lab	62.0894, -24.8598, 20.2503

Details

The Yxy color **38.5509, 0.3168, 0.4190** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.5998, 0.3054, 0.2486**, and the grayscale version is **34.4934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9509, 0.3166, 0.4003**, and **17.1521, 0.3157, 0.4492** is the 20% darker color. If you saturate the color by 10%, you get **37.0425, 0.3173, 0.4521**, and if you desaturate by 10%, it is **40.3125, 0.3158, 0.3878**.

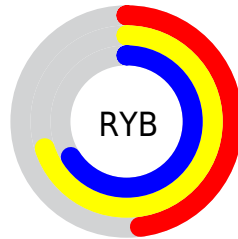
Distribution



Red (52%)

Green (70%)

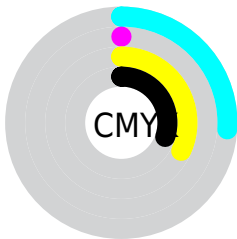
Blue (48%)



Red (48%)

Yellow (70%)

Blue (66%)

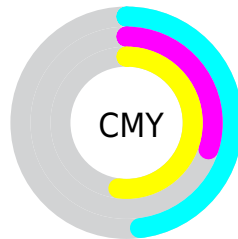


Cyan (26%)

Magenta (0%)

Yellow (32%)

Black (30%)



Cyan (48%)


Magenta (30%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5509, 0.3168, 0.4190 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 38.5509, 0.3168, 0.4190 by changing the saturation by 10% instead.


 38.5509, 0.3168,
0.4190


 38.5509, 0.3168,
0.4190


339.9773, 0.3159,
0.3705

 26.4105, 0.3165,
0.4323


 72.9517, 0.3168,
0.4005

 17.1310, 0.3158,
0.4500


 95.9810, 0.3167,
0.3938

 10.3279, 0.3140,
0.4749


 123.4087, 0.3166,
0.3883

 5.6169, 0.3100,
0.5119

155.6192, 0.3165,
0.3836

 2.6136, 0.3036,
0.5796

192.9969, 0.3163,
0.3796

 0.9335, 0.2005,
0.7995

235.9263, 0.3162,

 0.0000, 0.0000,

0.3762

0.0000

284.7916, 0.3161,
0.3732

■ 38.5509, 0.3168,
0.4190

■ 38.5509, 0.3168,
0.4190

■ 37.0425, 0.3173,
0.4521

■ 40.3125, 0.3158,
0.3878

■ 35.7709, 0.3170,
0.4858

■ 42.3331, 0.3145,
0.3591

■ 34.7253, 0.3160,
0.5183

■ 44.6245, 0.3130,
0.3335


■ 33.8920, 0.3141,
0.5473


■ 47.1963, 0.3114,
0.3107


■ 33.2559, 0.3115,
0.5708

■ 50.0575, 0.3097,
0.2907

 32.7997, 0.3082,
0.5870

 53.2169, 0.3081,
0.2733

 32.5410, 0.3056,
0.5955

 56.6828, 0.3065,
0.2581

 59.7902, 0.3123,
0.2537

 60.7221, 0.3162,
0.2546

Harmonies

Analogous

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



38.5509, 0.3684, 0.4251



38.5509, 0.3168, 0.4190



38.5509, 0.2665, 0.3807

Triad

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



38.5509, 0.3168, 0.4190



38.5509, 0.2242, 0.2513



38.5509, 0.4012, 0.3220

Complementary

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



38.5509, 0.3168, 0.4190



25.5998, 0.3054, 0.2486

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.



38.5509, 0.3560, 0.2838



38.5509, 0.3168, 0.4190



38.5509, 0.2538, 0.2442

Square

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



38.5509, 0.3168, 0.4190



38.5509, 0.2160, 0.2795



38.5509, 0.3011, 0.2562



38.5509, 0.4200, 0.3642

Rectangle

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



38.5509, 0.3168, 0.4190



38.5509, 0.2404, 0.3449



38.5509, 0.3011, 0.2562



38.5509, 0.3884, 0.3085

Sweetspot

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



38.5525, 0.3168, 0.4190



76.4723, 0.3143, 0.3546



39.1973, 0.3640, 0.3941



16.8222, 0.3145, 0.3583



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.5525, 0.3168, 0.4190



67.1609, 0.3172, 0.4413



38.2723, 0.2952, 0.3912



9.5596, 0.3142, 0.3523



23.0142, 0.3062, 0.5951



0.7458, 0.3233, 0.5815

Inverse Universe

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



25.5998, 0.3054, 0.2486



40.4180, 0.3032, 0.2312



26.0683, 0.3363, 0.2742



8.5696, 0.3110, 0.3064



6.7424, 0.2774, 0.1302



0.2320, 0.2903, 0.1373

Previews

White Background



This preview shows how the Yxy color 38.5509, 0.3168, 0.4190 looks on a white background.

Color Contrast Check

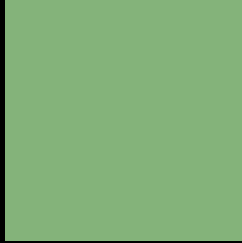
Large Text (above 18pt) WCAG AA × Fail

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 38.5509, 0.3168, 0.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

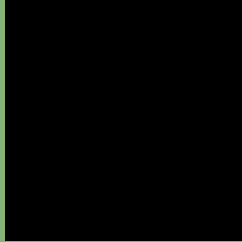
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5509, 0.3168, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 38.5509, 0.3168, 0.4190.



This preview shows how white text looks on a background with the Yxy color 38.5509, 0.3168, 0.4190.

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

38.5509, 0.3168, 0.4190

Protanopia

38.1171, 0.3704, 0.3991

Deuteranopia

38.0384, 0.3817, 0.3729



Tritanopia

38.4682, 0.2780, 0.3087

Trichromacy



Original Color

38.5509, 0.3168, 0.4190

Protanomaly

38.1152, 0.3496, 0.4071

Deuteranomaly

37.6373, 0.3562, 0.3878

Tritanomaly

38.3697, 0.2922, 0.3470

Monochromacy



Original Color

38.5509, 0.3168, 0.4190

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.7063, 0.3149, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5509, 0.3168, 0.4190 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(132, 179, 122)` looks like.

```
.text, #text, p{  
    color:rgb(132, 179, 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(132, 179, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 179, 122) }
```

Border

The CSS property to change the border of an element to Yxy 38.5509, 0.3168, 0.4190 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(132, 179, 122) }
```

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

```
.border{ border-color:rgb(132, 179, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 179, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 179, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 179, 122); box-shadow:4px 4px 4px 4px rgb(132, 179, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5509, 0.3168, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 179, 122) }
```

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

```
.background{ background-color: rgb(132,  
179, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor