

Converting Colors

$Yxy(38.6807, 0.3590, 0.3950)$

Have a look what the booklet for
Yxy(38.6807, 0.3590, 0.3950)
contains.

Yxy(38.7797, 0.3588, 0.3958)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7797, 0.3588, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	AEA97A
RGB	174, 169, 122
RGB Percent	68%, 66%, 48%
CMY	0.3177, 0.3372, 0.5216
CMYK	0.00, 0.03, 0.30, 0.32
HSL	54°, 24%, 58%
HSV	54°, 30%, 68%
XYZ	35.1545, 38.7797, 24.0438
YIQ	165.1370, 18.0670, -13.5570

Conversions

Conversions Part 2

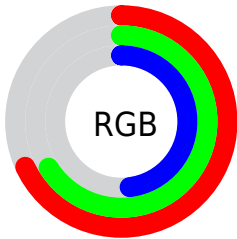
Format	Color
RYB	128, 174, 122
Decimal	11446650
CIELab	68.59, -5.71, 24.96
CIELCh	69, 25.605, 102.883
Yxy	38.7797, 0.3588, 0.3958
Android (android.graphics.Color)	4289636730 (0xFFAEA97A)
YUV	165.1370, -21.2665, 7.7729
Hunter-Lab	62.2733, -8.2116, 20.6994

Details

The Yxy color **38.7797, 0.3588, 0.3958** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.3669, 0.2620, 0.2520**, and the grayscale version is **37.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2294, 0.3502, 0.3826**, and **17.2686, 0.3719, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **37.7716, 0.3746, 0.4178**, and if you desaturate by 10%, it is **39.8765, 0.3429, 0.3731**.

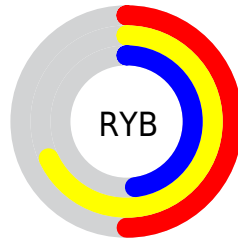
Distribution



Red (68%)

Green (66%)

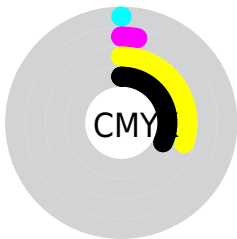
Blue (48%)



Red (50%)

Yellow (68%)

Blue (48%)

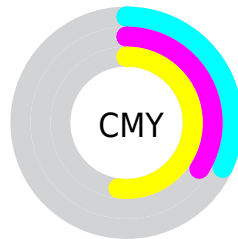


Cyan (0%)

Magenta (3%)

Yellow (30%)

Black (32%)



Cyan (32%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7797, 0.3588, 0.3958 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 38.7797, 0.3588, 0.3958 by changing the saturation by 10% instead.


 38.7797, 0.3588,
0.3958


 38.7797, 0.3588,
0.3958


340.9530, 0.3355,
0.3612

 26.5884, 0.3646,
0.4047


 73.3017, 0.3503,
0.3830

 17.2643, 0.3719,
0.4164


 96.4011, 0.3472,
0.3782

 10.4231, 0.3814,
0.4320


 123.9054, 0.3445,
0.3742

 5.6804, 0.3940,
0.4538

156.1988, 0.3422,
0.3708

 2.6517, 0.4160,
0.4920

193.6660, 0.3402,
0.3679

 0.9527, 0.4452,
0.5548

236.6911, 0.3384,

 0.0000, 0.0000,

0.3654

0.0000

285.6586, 0.3369,
0.3631

■ 38.7797, 0.3588,
0.3958

■ 38.7797, 0.3588,
0.3958

■ 37.7716, 0.3746,
0.4178

■ 39.8765, 0.3429,
0.3731

■ 36.8427, 0.3898,
0.4384

■ 41.0604, 0.3274,
0.3506

■ 35.9902, 0.4037,
0.4564

■ 42.3370, 0.3125,
0.3287

■ 35.2092, 0.4157,
0.4712

■ 43.7095, 0.2986,
0.3080

■ 34.4939, 0.4253,
0.4819

■ 45.1811, 0.2857,
0.2885

■ 33.8376, 0.4323,
0.4883

■ 46.7549, 0.2739,
0.2705

■ 33.2260, 0.4370,
0.4911

■ 48.4338, 0.2632,
0.2539

■ 33.2189, 0.4371,
0.4911

■ 49.8153, 0.2569,
0.2447

■ 50.5040, 0.2571,
0.2467

Harmonies

Analogous

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



38.7797, 0.3831, 0.3790



38.7797, 0.3588, 0.3958



38.7797, 0.3230, 0.3935

Triad

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



38.7797, 0.3588, 0.3958



38.7797, 0.2430, 0.2995



38.7797, 0.3376, 0.2923

Complementary

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



38.7797, 0.3588, 0.3958



22.3669, 0.2620, 0.2520

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.



38.7797, 0.2988, 0.2733



38.7797, 0.3588, 0.3958



38.7797, 0.2462, 0.2757

Square

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



38.7797, 0.3588, 0.3958



38.7797, 0.2570, 0.3344



38.7797, 0.2659, 0.2670



38.7797, 0.3710, 0.3200

Rectangle

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



38.7797, 0.3588, 0.3958



38.7797, 0.2977, 0.3801



38.7797, 0.2659, 0.2670



38.7797, 0.3246, 0.2848

Sweetspot

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



38.7815, 0.3588, 0.3958



74.6510, 0.3263, 0.3490



24.4537, 0.3714, 0.3214



16.5210, 0.3285, 0.3522



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.



38.7815, 0.3588, 0.3958



69.1008, 0.3695, 0.4108



38.4645, 0.3369, 0.4073



9.1970, 0.3265, 0.3493



24.1444, 0.4369, 0.4913



0.7088, 0.4310, 0.4960

Inverse Universe

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



22.3669, 0.2620, 0.2520



34.3933, 0.2487, 0.2313



22.7957, 0.2822, 0.2484



7.8761, 0.2986, 0.3078



2.5419, 0.1522, 0.0678



0.1094, 0.1608, 0.0988

Previews

White Background



This preview shows how the Yxy color 38.7797, 0.3588, 0.3958 looks on a white background.

Color Contrast Check

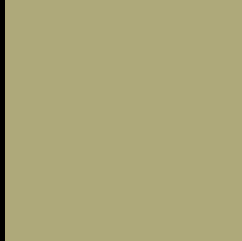
Large Text (above 18pt) WCAG AA × Fail

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 38.7797, 0.3588, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

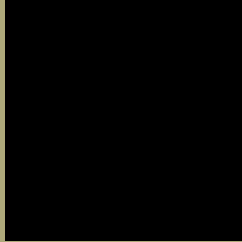
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

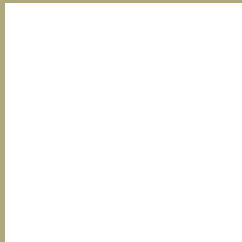
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7797, 0.3588, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 38.7797, 0.3588, 0.3958.



This preview shows how white text looks on a background with the Yxy color 38.7797, 0.3588, 0.3958.

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

38.7797, 0.3588, 0.3958

Protanopia

38.7212, 0.3665, 0.3932

Deuteranopia

38.6026, 0.3852, 0.3765



Tritanopia

38.6391, 0.3183, 0.3115

Trichromacy



Original Color

38.7797, 0.3588, 0.3958

Protanomaly

38.8507, 0.3641, 0.3950

Deuteranomaly

38.4433, 0.3755, 0.3834

Tritanomaly

38.7755, 0.3331, 0.3415

Monochromacy



Original Color

38.7797, 0.3588, 0.3958

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7672, 0.3295, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7797, 0.3588, 0.3958 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(174, 169, 122)` looks like.

```
.text, #text, p{  
    color:rgb(174, 169, 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(174, 169, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 169, 122) }
```

Border

The CSS property to change the border of an element to Yxy 38.7797, 0.3588, 0.3958 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(174, 169, 122) }
```

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

```
.border{ border-color:rgb(174, 169, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 169, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 169, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 169, 122);  
box-shadow:4px 4px 4px 4px rgb(174, 169,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7797, 0.3588, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 169, 122) }
```

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

```
.background{ background-color: rgb(174,  
169, 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