

Converting Colors

$Y_{xy}(38.7900, 0.3776, 0.4554)$

Have a look what the booklet for
Yxy(38.7900, 0.3776, 0.4554)
contains.

Yxy(38.9115, 0.3778, 0.4558)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9115, 0.3778, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	A5AE54
RGB	165, 174, 84
RGB Percent	65%, 68%, 33%
CMY	0.3530, 0.3176, 0.6704
CMYK	0.05, 0.00, 0.52, 0.32
HSL	66°, 36%, 51%
HSV	66°, 52%, 68%
XYZ	32.2527, 38.9115, 14.2055
YIQ	161.0490, 23.5260, -29.8980

Conversions

Conversions Part 2

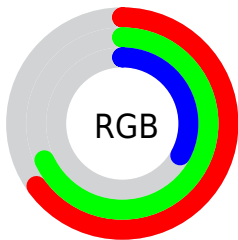
Format	Color
RYB	84, 174, 93
Decimal	10858068
CIELab	68.69, -16.28, 44.58
CIELCh	69, 47.456, 110.066
Yxy	38.9115, 0.3778, 0.4558
Android (android.graphics.Color)	4289048148 (0xFFA5AE54)
YUV	161.0490, -37.9852, 3.4650
Hunter-Lab	62.3791, -16.8712, 30.1633

Details

The Yxy color **38.9115, 0.3778, 0.4558** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.7328, 0.2236, 0.1711**, and the grayscale version is **35.8379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3458, 0.3680, 0.4312**, and **17.4084, 0.3910, 0.4936** is the 20% darker color. If you saturate the color by 10%, you get **38.4877, 0.3872, 0.4762**, and if you desaturate by 10%, it is **39.4091, 0.3666, 0.4327**.

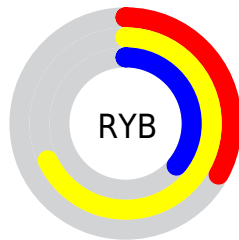
Distribution



Red (65%)

Green (68%)

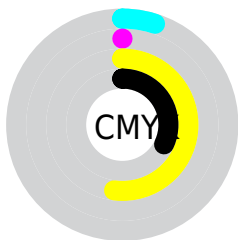
Blue (33%)



Red (33%)

Yellow (68%)

Blue (36%)

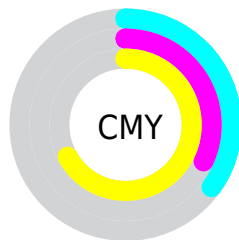


Cyan (5%)

Magenta (0%)

Yellow (52%)

Black (32%)



Cyan (35%)


Magenta (32%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9115, 0.3778, 0.4558 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 38.9115, 0.3778, 0.4558 by changing the saturation by 10% instead.


 38.9115, 0.3778,
0.4558


 38.9115, 0.3778,
0.4558


341.5141, 0.3472,
0.3901


 26.6909, 0.3841,
0.4722


 73.5031, 0.3675,
0.4317

 17.3412, 0.3911,
0.4928


 96.6429, 0.3634,
0.4227


 10.4781, 0.3981,
0.5191


 124.1912, 0.3598,
0.4151

 5.7171, 0.4076,
0.5590

 156.5324, 0.3566,
0.4086

 2.6738, 0.4021,
0.5979

 194.0509, 0.3538,
0.4030

 0.9639, 0.3489,
0.6511

237.1310, 0.3514,

 0.0000, 0.0000,

0.3982

0.0000

286.1573, 0.3492,
0.3939

■ 38.9115, 0.3778,
0.4558

■ 38.9115, 0.3778,
0.4558

■ 38.4877, 0.3872,
0.4762

■ 39.4091, 0.3666,
0.4327

■ 38.1274, 0.3945,
0.4932

■ 39.9798, 0.3542,
0.4081

■ 37.8264, 0.3992,
0.5060

■ 40.6296, 0.3412,
0.3827

■ 37.5777, 0.4015,
0.5145

■ 41.3623, 0.3279,
0.3575

■ 37.3989, 0.4019,
0.5191

■ 42.1816, 0.3149,
0.3330

■ 43.0909, 0.3023,
0.3099

■ 44.0933, 0.2904,
0.2882

■ 45.1920, 0.2794,
0.2682

■ 46.3898, 0.2691,
0.2500

Harmonies

Analogous

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



38.9115, 0.4308, 0.4241



38.9115, 0.3778, 0.4558



38.9115, 0.3106, 0.4478

Triad

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



38.9115, 0.3778, 0.4558



38.9115, 0.1899, 0.2594



38.9115, 0.3741, 0.2742

Complementary

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



38.9115, 0.3778, 0.4558



11.7328, 0.2236, 0.1711

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.



38.9115, 0.3019, 0.2389



38.9115, 0.3778, 0.4558



38.9115, 0.2021, 0.2276

Square

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



38.9115, 0.3778, 0.4558



38.9115, 0.2049, 0.3186



38.9115, 0.2405, 0.2220



38.9115, 0.4323, 0.3219

Rectangle

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



38.9115, 0.3778, 0.4558



38.9115, 0.2669, 0.4152



38.9115, 0.2405, 0.2220



38.9115, 0.3502, 0.2607

Sweetspot

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



38.9133, 0.3778, 0.4558



74.3938, 0.3340, 0.3690



17.4748, 0.4504, 0.3426



16.4758, 0.3367, 0.3740



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.



38.9133, 0.3778, 0.4558



69.7098, 0.3884, 0.4788



34.9100, 0.3344, 0.4766



9.2888, 0.3248, 0.3515



27.1382, 0.4021, 0.5189



0.7664, 0.4077, 0.5145

Inverse Universe

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



11.7328, 0.2236, 0.1711



14.9664, 0.2012, 0.1339



14.8076, 0.2734, 0.1901



7.7942, 0.3000, 0.3057



2.3188, 0.1541, 0.0623



0.0765, 0.1706, 0.0713

Previews

White Background



This preview shows how the Yxy color 38.9115, 0.3778, 0.4558 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 38.9115, 0.3778, 0.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

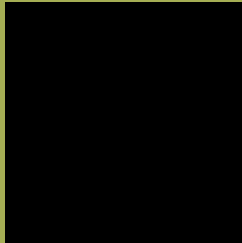
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9115, 0.3778, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 38.9115, 0.3778, 0.4558.



This preview shows how white text looks on a background with the Yxy color 38.9115, 0.3778, 0.4558.

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

38.9115, 0.3778, 0.4558

Protanopia

38.9287, 0.4034, 0.4419

Deuteranopia

38.4800, 0.4257, 0.4164



Tritanopia

38.8392, 0.3117, 0.3113

Trichromacy



Original Color

38.9115, 0.3778, 0.4558

Protanomaly

38.8390, 0.3942, 0.4464

Deuteranomaly

38.1862, 0.4076, 0.4296

Tritanomaly

38.6464, 0.3374, 0.3647

Monochromacy



Original Color

38.9115, 0.3778, 0.4558

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6473, 0.3380, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9115, 0.3778, 0.4558 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(165, 174, 84)` looks like.

```
.text, #text, p{  
    color:rgb(165, 174, 84)  
}
```

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(165, 174, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 174, 84) }
```

Border

The CSS property to change the border of an element to Yxy 38.9115, 0.3778, 0.4558 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(165, 174, 84) }
```

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

```
.border{ border-color:rgb(165, 174, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 174, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 174, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 174, 84);  
box-shadow:4px 4px 4px 4px rgb(165, 174,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9115, 0.3778, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 174, 84) }
```

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

```
.background{ background-color: rgb(165,  
174, 84) }
```

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