

Converting Colors

$Yxy(38.6975, 0.3232, 0.3323)$

Have a look what the booklet for
Yxy(38.6975, 0.3232, 0.3323)
contains.

Yxy(38.5533, 0.3229, 0.3318)	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(38.5533, 0.3229, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	AEA5A3
RGB	174, 165, 163
RGB Percent	68%, 65%, 64%
CMY	0.3177, 0.3529, 0.3607
CMYK	0.00, 0.05, 0.06, 0.32
HSL	11°, 6%, 66%
HSV	11°, 6%, 68%
XYZ	37.5192, 38.5533, 40.1219
YIQ	167.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

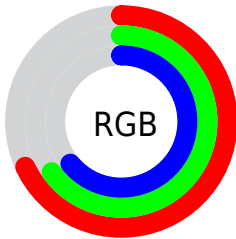
Format	Color
RYB	174, 165, 163
Decimal	11445667
CIELab	68.43, 2.88, 2.18
CIELCh	68, 3.607, 37.142
Yxy	38.5533, 0.3229, 0.3318
Android (android.graphics.Color)	4289635747 (0xFFAEA5A3)
YUV	167.4630, -2.2003, 5.7329
Hunter-Lab	62.0913, -0.7997, 5.1521

Details

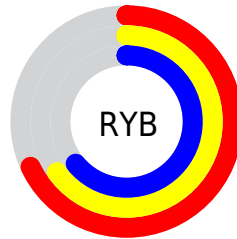
The Yxy color **38.5533, 0.3229, 0.3318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.3437, 0.3032, 0.3262**, and the grayscale version is **38.8900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9064, 0.3205, 0.3312**, and **17.0955, 0.3272, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **33.1202, 0.3418, 0.3365**, and if you desaturate by 10%, it is **44.6473, 0.3073, 0.3274**.

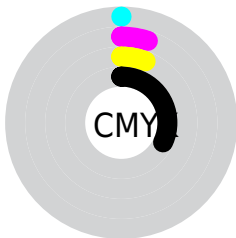
Distribution



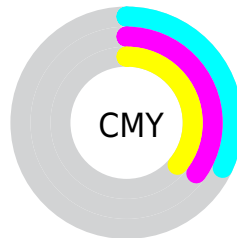
- Red (68%)
- Green (65%)
- Blue (64%)



- Red (68%)
- Yellow (65%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (32%)





- Cyan (32%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5533, 0.3229, 0.3318 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 38.5533, 0.3229, 0.3318 by changing the saturation by 10% instead.


 38.5533, 0.3229,
0.3318

 38.5533, 0.3229,
0.3318


339.9876, 0.3176,
0.3304

 26.4124, 0.3243,
0.3322


 72.9554, 0.3209,
0.3313

 17.1324, 0.3261,
0.3326


 95.9854, 0.3202,
0.3311

 10.3289, 0.3285,
0.3333


123.4139, 0.3196,
0.3309

 5.6176, 0.3321,
0.3342

155.6253, 0.3191,
0.3308

 2.6140, 0.3378,
0.3356

193.0040, 0.3187,
0.3307

 0.9337, 0.3487,
0.3384


235.9343, 0.3183,


 0.0000, 0.0000,


0.3306

0.0000


284.8007, 0.3179,
0.3305


 38.5533, 0.3229,
0.3318


 38.5533, 0.3229,
0.3318

 33.1202, 0.3418,
0.3365


 44.6473, 0.3073,
0.3274


 28.3208, 0.3647,
0.3415


 51.4181, 0.2944,
0.3234


 24.1333, 0.3921,
0.3465

 58.8877, 0.2836,
0.3198

 20.5331, 0.4245,
0.3512

 67.0751, 0.2746,
0.3164

 17.4936, 0.4617,
0.3551

 75.9991, 0.2671,
0.3134

■ 14.9862, 0.5026,
0.3574

■ 84.8524, 0.2665,
0.3239

■ 12.9798, 0.5441,
0.3573

■ 87.7363, 0.2671,
0.3289

■ 11.4398, 0.5819,
0.3540

■ 10.3264, 0.6111,
0.3478

Harmonies

Analogous

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



38.5533, 0.3201, 0.3271



38.5533, 0.3229, 0.3318



38.5533, 0.3229, 0.3359

Triad

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



38.5533, 0.3229, 0.3318



38.5533, 0.3100, 0.3353



38.5533, 0.3053, 0.3200

Complementary

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



38.5533, 0.3229, 0.3318



40.3437, 0.3032, 0.3262

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.



38.5533, 0.3026, 0.3221



38.5533, 0.3229, 0.3318



38.5533, 0.3054, 0.3309

Square

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



38.5533, 0.3229, 0.3318



38.5533, 0.3155, 0.3379



38.5533, 0.3027, 0.3261



38.5533, 0.3099, 0.3203

Rectangle

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



38.5533, 0.3229, 0.3318



38.5533, 0.3214, 0.3376



38.5533, 0.3027, 0.3261



38.5533, 0.3041, 0.3204

Sweetspot

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



38.5550, 0.3229, 0.3318



74.5203, 0.3159, 0.3299



38.1812, 0.3150, 0.3164



16.5897, 0.3157, 0.3298



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.



38.5550, 0.3229, 0.3318



68.0498, 0.3261, 0.3326



40.5129, 0.3223, 0.3391



8.2421, 0.3282, 0.3332



7.3265, 0.6186, 0.3470



0.2721, 0.5669, 0.3881

Inverse Universe

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



40.3437, 0.3032, 0.3262



72.1921, 0.3004, 0.3253



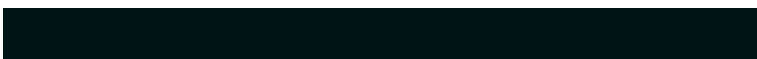
38.3607, 0.3032, 0.3187



8.8208, 0.2986, 0.3248



16.4091, 0.2086, 0.2708



0.5200, 0.2140, 0.2903

Previews

White Background



This preview shows how the Yxy color 38.5533, 0.3229, 0.3318 looks on a white background.

Color Contrast Check

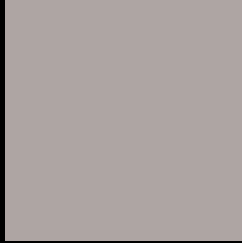
Large Text (above 18pt) WCAG AA × Fail

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 38.5533, 0.3229, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

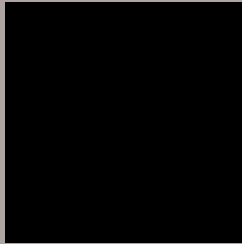
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

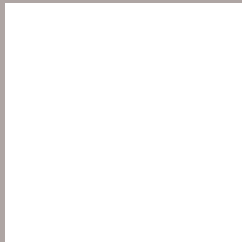
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5533, 0.3229, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 38.5533, 0.3229, 0.3318.

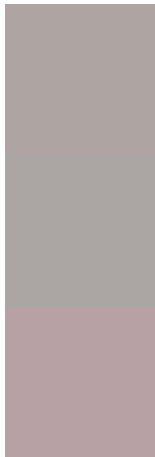


This preview shows how white text looks on a background with the Yxy color 38.5533, 0.3229, 0.3318.

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

38.5533, 0.3229, 0.3318

Protanopia

38.6107, 0.3191, 0.3318

Deuteranopia

38.3604, 0.3322, 0.3250



Tritanopia

38.5591, 0.3135, 0.3113

Trichromacy



Original Color

38.5533, 0.3229, 0.3318

Protanomaly

38.7234, 0.3201, 0.3318

Deuteranomaly

38.2243, 0.3282, 0.3263

Tritanomaly

38.6052, 0.3169, 0.3194

Monochromacy



Original Color

38.5533, 0.3229, 0.3318

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.5717, 0.3164, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5533, 0.3229, 0.3318 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, 165, 163)` looks like.

```
.text, #text, p{  
    color:rgb(174, 165, 163)  
}
```

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, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 165, 163) }
```

Border

The CSS property to change the border of an element to Yxy 38.5533, 0.3229, 0.3318 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, 165, 163) }
```

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

```
.border{ border-color:rgb(174, 165, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(174, 165,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5533, 0.3229, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 165, 163) }
```

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

```
.background{ background-color: rgb(174,  
165, 163) }
```

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