

Converting Colors

Yxy(38.4780, 0.3385, 0.3676)

Have a look what the booklet for
Yxy(38.4780, 0.3385, 0.3676)
contains.

Yxy(38.4744, 0.3382, 0.3677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4744, 0.3382, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	AAA88D
RGB	170, 168, 141
RGB Percent	67%, 66%, 55%
CMY	0.3334, 0.3412, 0.4469
CMYK	0.00, 0.01, 0.17, 0.33
HSL	56°, 15%, 61%
HSV	56°, 17%, 67%
XYZ	35.3877, 38.4744, 30.7732
YIQ	165.5200, 9.8590, -7.9730

Conversions

Conversions Part 2

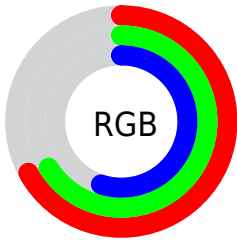
Format	Color
RYB	143, 170, 141
Decimal	11184269
CIELab	68.37, -3.96, 14.21
CIElCh	68, 14.754, 105.562
Yxy	38.4744, 0.3382, 0.3677
Android (android.graphics.Color)	4289374349 (0xFFAAA88D)
YUV	165.5200, -12.0884, 3.9290
Hunter-Lab	62.0277, -6.7119, 14.0044

Details

The Yxy color **38.4744, 0.3382, 0.3677** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.2169, 0.2856, 0.2871**, and the grayscale version is **37.9464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7230, 0.3329, 0.3598**, and **17.0977, 0.3462, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **37.5806, 0.3537, 0.3909**, and if you desaturate by 10%, it is **39.4532, 0.3230, 0.3447**.

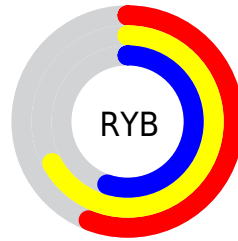
Distribution



Red (67%)

Green (66%)

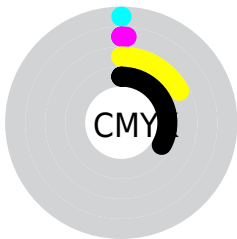
Blue (55%)



Red (56%)

Yellow (67%)

Blue (55%)

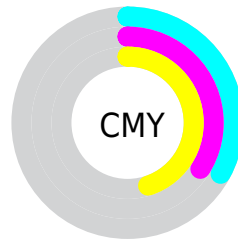


Cyan (0%)

Magenta (1%)

Yellow (17%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4744, 0.3382, 0.3677 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 38.4744, 0.3382, 0.3677 by changing the saturation by 10% instead.

 38.4744, 0.3382,
0.3677


 38.4744, 0.3382,
0.3677


339.6507, 0.3252,
0.3476

 26.3511, 0.3415,
0.3730


 72.8347, 0.3334,
0.3602

 17.0865, 0.3459,
0.3799


 95.8405, 0.3316,
0.3574

 10.2962, 0.3517,
0.3894


 123.2425, 0.3301,
0.3551

 5.5958, 0.3599,
0.4032

155.4252, 0.3288,
0.3532

 2.6009, 0.3722,
0.4247

192.7730, 0.3277,
0.3515

 0.9271, 0.4542,
0.5371

235.6702, 0.3268,

 0.0000, 0.0000,

0.3500

0.0000

284.5013, 0.3259,
0.3487

■ 38.4744, 0.3382,
0.3677

■ 38.4744, 0.3382,
0.3677

■ 37.5806, 0.3537,
0.3909

■ 39.4532, 0.3230,
0.3447

■ 36.7630, 0.3692,
0.4137

■ 40.5150, 0.3085,
0.3225

■ 36.0196, 0.3841,
0.4352

■ 41.6649, 0.2949,
0.3015

■ 35.3463, 0.3977,
0.4544

■ 42.9056, 0.2822,
0.2819

■ 34.7383, 0.4096,
0.4705

■ 44.2401, 0.2707,
0.2637

■ 34.1907, 0.4191,
0.4826

■ 45.6710, 0.2601,
0.2471

■ 33.6973, 0.4261,
0.4906

■ 46.8730, 0.2533,
0.2367

■ 33.2493, 0.4306,
0.4945

■ 47.3316, 0.2535,
0.2381

■ 33.1200, 0.4317,
0.4954

■ 47.7941, 0.2537,
0.2395

Harmonies

Analogous

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



38.4744, 0.3526, 0.3600



38.4744, 0.3382, 0.3677



38.4744, 0.3172, 0.3645

Triad

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



38.4744, 0.3382, 0.3677



38.4744, 0.2712, 0.3111



38.4744, 0.3293, 0.3086

Complementary

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



38.4744, 0.3382, 0.3677



28.2169, 0.2856, 0.2871

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.



38.4744, 0.3070, 0.2965



38.4744, 0.3382, 0.3677



38.4744, 0.2740, 0.2973

Square

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



38.4744, 0.3382, 0.3677



38.4744, 0.2789, 0.3307



38.4744, 0.2869, 0.2922



38.4744, 0.3475, 0.3259

Rectangle

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



38.4744, 0.3382, 0.3677



38.4744, 0.3025, 0.3563



38.4744, 0.2869, 0.2922



38.4744, 0.3220, 0.3038

Sweetspot

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



38.4761, 0.3382, 0.3677



71.9579, 0.3201, 0.3403



29.6011, 0.3420, 0.3255



16.0184, 0.3211, 0.3419



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.4761, 0.3382, 0.3677



69.2656, 0.3434, 0.3754



37.9299, 0.3262, 0.3719



8.6846, 0.3264, 0.3498



24.4006, 0.4316, 0.4955



0.6188, 0.4271, 0.4991

Inverse Universe

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



28.2169, 0.2856, 0.2871



47.5206, 0.2797, 0.2779



28.7434, 0.2974, 0.2855



7.3799, 0.2986, 0.3073



2.3546, 0.1515, 0.0655



0.0822, 0.1583, 0.0898

Previews

White Background



This preview shows how the Yxy color 38.4744, 0.3382, 0.3677 looks on a white background.

Color Contrast Check

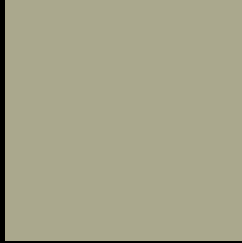
Large Text (above 18pt) WCAG AA × Fail

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 38.4744, 0.3382, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

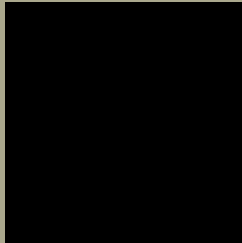
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

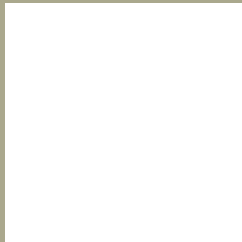
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4744, 0.3382, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 38.4744, 0.3382, 0.3677.



This preview shows how white text looks on a background with the Yxy color 38.4744, 0.3382, 0.3677.

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

38.4744, 0.3382, 0.3677

Protanopia

38.3960, 0.3455, 0.3657

Deuteranopia

38.2011, 0.3595, 0.3520



Tritanopia

38.4429, 0.3126, 0.3112

Trichromacy



Original Color

38.4744, 0.3382, 0.3677

Protanomaly

38.5296, 0.3433, 0.3673

Deuteranomaly

38.2147, 0.3515, 0.3581

Tritanomaly

38.4388, 0.3220, 0.3318

Monochromacy



Original Color

38.4744, 0.3382, 0.3677

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.2872, 0.3214, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4744, 0.3382, 0.3677 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(170, 168, 141)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 141)  
}
```

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(170, 168, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 141) }
```

Border

The CSS property to change the border of an element to Yxy 38.4744, 0.3382, 0.3677 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(170, 168, 141) }
```

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

```
.border{ border-color:rgb(170, 168, 141) }
```

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

Here you see how a box with a 4 pixel rgb(170, 168, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 141);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4744, 0.3382, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 141) }
```

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

```
.background{ background-color: rgb(170,  
168, 141) }
```

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