

Converting Colors

$Yxy(37.1059, 0.3300, 0.3461)$

Have a look what the booklet for
Yxy(37.1059, 0.3300, 0.3461)
contains.

Yxy(36.9748, 0.3302, 0.3462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9748, 0.3302, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	AAA397
RGB	170, 163, 151
RGB Percent	67%, 64%, 59%
CMY	0.3332, 0.3608, 0.4078
CMYK	0.00, 0.04, 0.11, 0.33
HSL	38°, 10%, 63%
HSV	38°, 11%, 67%
XYZ	35.2660, 36.9748, 34.5611
YIQ	163.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

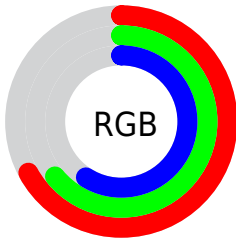
Format	Color
RYB	162, 170, 151
Decimal	11182999
CIELab	67.26, 0.42, 7.12
CIELCh	67, 7.132, 86.651
Yxy	36.9748, 0.3302, 0.3462
Android (android.graphics.Color)	4289373079 (0xFFAAA397)
YUV	163.7250, -6.2734, 5.5032
Hunter-Lab	60.8069, -2.8881, 8.8659

Details

The Yxy color **36.9748, 0.3302, 0.3462** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9538, 0.2956, 0.3112**, and the grayscale version is **37.0171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5581, 0.3267, 0.3433**, and **16.1405, 0.3363, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **34.2848, 0.3476, 0.3623**, and if you desaturate by 10%, it is **39.8588, 0.3145, 0.3308**.

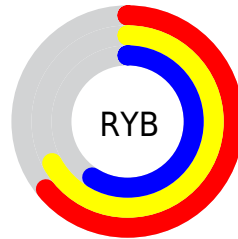
Distribution



Red (67%)

Green (64%)

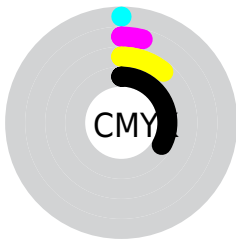
Blue (59%)



Red (64%)

Yellow (67%)

Blue (59%)

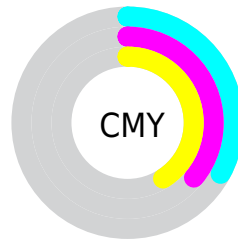


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (33%)



Cyan (33%)


Magenta (36%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9748, 0.3302, 0.3462 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 36.9748, 0.3302, 0.3462 by changing the saturation by 10% instead.


 36.9748, 0.3302,
0.3462


 36.9748, 0.3302,
0.3462


333.2014, 0.3211,
0.3373

 25.1880, 0.3326,
0.3485


 70.5340, 0.3268,
0.3429

 16.2172, 0.3357,
0.3516


 93.0752, 0.3256,
0.3417

 9.6780, 0.3400,
0.3558


119.9700, 0.3245,
0.3406

 5.1860, 0.3464,
0.3620

151.6027, 0.3236,
0.3398

 2.3568, 0.3564,
0.3717

188.3579, 0.3229,
0.3390

 0.8035, 0.3959,
0.4111

230.6198, 0.3222,

 0.0000, 0.0000,

0.3384

0.0000

278.7728, 0.3216,
0.3378

■ 36.9748, 0.3302,
0.3462

■ 36.9748, 0.3302,
0.3462

■ 34.2848, 0.3476,
0.3623

■ 39.8588, 0.3145,
0.3308

■ 31.7790, 0.3668,
0.3788

■ 42.9368, 0.3004,
0.3162

■ 29.4537, 0.3873,
0.3951

■ 46.2149, 0.2879,
0.3027

■ 27.3033, 0.4090,
0.4104

■ 49.6974, 0.2768,
0.2903

■ 25.3219, 0.4310,
0.4237

■ 53.3885, 0.2669,
0.2788

■ 23.5028, 0.4525,
0.4340

■ 57.2924, 0.2582,
0.2683

■ 21.8388, 0.4723,
0.4401

■ 60.4066, 0.2581,
0.2738

■ 20.3215, 0.4895,
0.4413

■ 63.5159, 0.2591,
0.2813

■ 19.0917, 0.5026,
0.4391

■ 66.7480, 0.2601,
0.2887

Harmonies

Analogous

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



36.9748, 0.3339, 0.3400



36.9748, 0.3302, 0.3462



36.9748, 0.3218, 0.3478

Triad

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



36.9748, 0.3302, 0.3462



36.9748, 0.2940, 0.3264



36.9748, 0.3141, 0.3146

Complementary

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



36.9748, 0.3302, 0.3462



33.9538, 0.2956, 0.3112

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.



36.9748, 0.3035, 0.3109



36.9748, 0.3302, 0.3462



36.9748, 0.2920, 0.3175

Square

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



36.9748, 0.3302, 0.3462



36.9748, 0.3009, 0.3362



36.9748, 0.2954, 0.3119



36.9748, 0.3245, 0.3219

Rectangle

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



36.9748, 0.3302, 0.3462



36.9748, 0.3147, 0.3459



36.9748, 0.2954, 0.3119



36.9748, 0.3104, 0.3129

Sweetspot

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



36.9764, 0.3302, 0.3462



71.2879, 0.3173, 0.3336



33.1656, 0.3251, 0.3185



15.8032, 0.3185, 0.3348



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.



36.9764, 0.3302, 0.3462



66.0351, 0.3336, 0.3495



39.2992, 0.3269, 0.3562



8.3002, 0.3271, 0.3432



14.1481, 0.5015, 0.4400



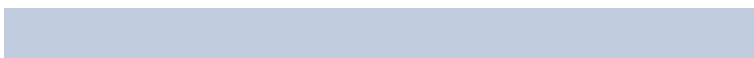
0.4371, 0.4682, 0.4664

Inverse Universe

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



33.9538, 0.2956, 0.3112



59.6377, 0.2924, 0.3077



31.8354, 0.2976, 0.3007



7.7382, 0.2986, 0.3144



4.8402, 0.1669, 0.1207



0.2158, 0.1860, 0.1895

Previews

White Background



This preview shows how the Yxy color 36.9748, 0.3302, 0.3462 looks on a white background.

Color Contrast Check

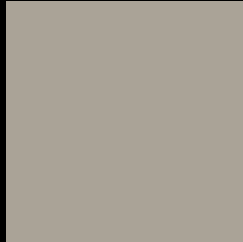
Large Text (above 18pt) WCAG AA × Fail

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 36.9748, 0.3302, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

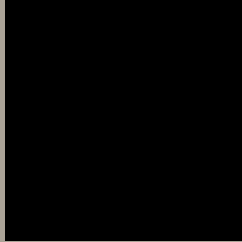
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9748, 0.3302, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 36.9748, 0.3302, 0.3462.



This preview shows how white text looks on a background with the Yxy color 36.9748, 0.3302, 0.3462.

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

36.9748, 0.3302, 0.3462

Protanopia

36.9748, 0.3302, 0.3462

Deuteranopia

36.9111, 0.3442, 0.3373



Tritanopia

37.0044, 0.3144, 0.3124

Trichromacy



Original Color

36.9748, 0.3302, 0.3462

Protanomaly

36.9748, 0.3302, 0.3462

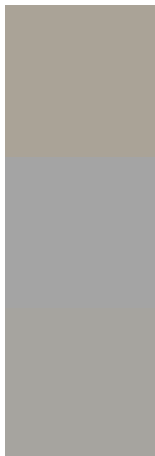
Deuteranomaly

36.9923, 0.3387, 0.3402

Tritanomaly

36.9407, 0.3206, 0.3248

Monochromacy



Original Color

36.9748, 0.3302, 0.3462

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1611, 0.3190, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9748, 0.3302, 0.3462 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, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 151)  
}
```

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, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 151) }
```

Border

The CSS property to change the border of an element to Yxy 36.9748, 0.3302, 0.3462 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, 163, 151) }
```

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

```
.border{ border-color:rgb(170, 163, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 151);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9748, 0.3302, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 151) }
```

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

```
.background{ background-color: rgb(170,  
163, 151) }
```

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