

Converting Colors

$Y_{xy}(37.9720, 0.3592, 0.3871)$

Have a look what the booklet for
Yxy(37.9720, 0.3592, 0.3871)
contains.

Yxy(37.9832, 0.3592, 0.3872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9832, 0.3592, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	B0A67D
RGB	176, 166, 125
RGB Percent	69%, 65%, 49%
CMY	0.3099, 0.3490, 0.5098
CMYK	0.00, 0.06, 0.29, 0.31
HSL	48°, 24%, 59%
HSV	48°, 29%, 69%
XYZ	35.2365, 37.9832, 24.8774
YIQ	164.3160, 19.1210, -10.6310

Conversions

Conversions Part 2

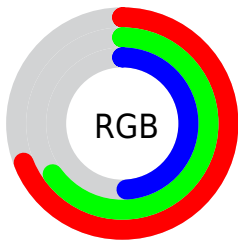
Format	Color
RYB	137, 176, 125
Decimal	11576957
CIELab	68.01, -2.92, 22.57
CIElCh	68, 22.762, 97.362
Yxy	37.9832, 0.3592, 0.3872
Android (android.graphics.Color)	4289767037 (0xFFB0A67D)
YUV	164.3160, -19.3828, 10.2469
Hunter-Lab	61.6305, -5.7982, 19.2087

Details

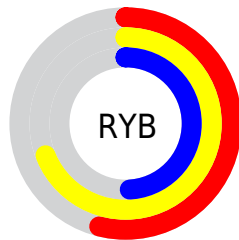
The Yxy color **37.9832, 0.3592, 0.3872** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.8083, 0.2646, 0.2631**, and the grayscale version is **37.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0831, 0.3503, 0.3759**, and **16.7674, 0.3731, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **36.3418, 0.3766, 0.4074**, and if you desaturate by 10%, it is **39.7411, 0.3423, 0.3667**.

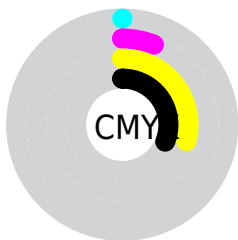
Distribution



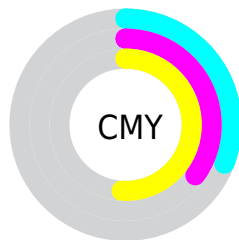
- Red (69%)
- Green (65%)
- Blue (49%)



- Red (54%)
- Yellow (69%)
- Blue (49%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (31%)





- Cyan (31%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9832, 0.3592, 0.3872 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 37.9832, 0.3592, 0.3872 by changing the saturation by 10% instead.

 37.9832, 0.3592,
0.3872

 37.9832, 0.3592,
0.3872

337.5479, 0.3354,
0.3571


 25.9697, 0.3652,
0.3950


 72.0824, 0.3505,
0.3760

 16.8009, 0.3729,
0.4051


 94.9368, 0.3472,
0.3719

 10.0927, 0.3831,
0.4187


 122.1737, 0.3445,
0.3684

 5.4604, 0.3971,
0.4377

154.1773, 0.3422,
0.3655

 2.5199, 0.4201,
0.4695

191.3322, 0.3401,
0.3630

 0.8866, 0.4653,
0.5347

234.0226, 0.3384,

 0.0000, 0.0000,

0.3607

0.0000

282.6331, 0.3368,
0.3588

■ 37.9832, 0.3592,
0.3872

■ 37.9832, 0.3592,
0.3872

■ 36.3418, 0.3766,
0.4074

■ 39.7411, 0.3423,
0.3667

■ 34.8073, 0.3940,
0.4265

■ 41.6144, 0.3262,
0.3465

■ 33.3765, 0.4107,
0.4434

■ 43.6088, 0.3112,
0.3270

■ 32.0441, 0.4260,
0.4573

■ 45.7280, 0.2974,
0.3086

■ 30.8040, 0.4392,
0.4672

■ 47.9754, 0.2848,
0.2915

■ 29.6492, 0.4497,
0.4727

■ 50.3544, 0.2734,
0.2756

■ 28.5670, 0.4576,
0.4741

■ 52.8681, 0.2632,
0.2611

■ 28.4569, 0.4584,
0.4742

■ 54.8060, 0.2598,
0.2583

■ 56.3476, 0.2603,
0.2623

Harmonies

Analogous

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



37.9832, 0.3780, 0.3702



37.9832, 0.3592, 0.3872



37.9832, 0.3284, 0.3883

Triad

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



37.9832, 0.3592, 0.3872



37.9832, 0.2511, 0.3081



37.9832, 0.3287, 0.2920

Complementary

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



37.9832, 0.3592, 0.3872



24.8083, 0.2646, 0.2631

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.



37.9832, 0.2943, 0.2768



37.9832, 0.3592, 0.3872



37.9832, 0.2510, 0.2843

Square

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



37.9832, 0.3592, 0.3872



37.9832, 0.2666, 0.3402



37.9832, 0.2664, 0.2736



37.9832, 0.3602, 0.3161

Rectangle

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



37.9832, 0.3592, 0.3872



37.9832, 0.3056, 0.3785



37.9832, 0.2664, 0.2736



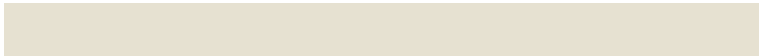
37.9832, 0.3171, 0.2858

Sweetspot

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



37.9849, 0.3592, 0.3872



75.4399, 0.3265, 0.3469



25.6492, 0.3627, 0.3141



16.2413, 0.3287, 0.3497



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.



37.9849, 0.3592, 0.3872



66.9175, 0.3708, 0.4007



40.0609, 0.3410, 0.4036



9.6191, 0.3268, 0.3472



20.9709, 0.4580, 0.4746



0.7320, 0.4454, 0.4846

Inverse Universe

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



24.8083, 0.2646, 0.2631



38.9495, 0.2521, 0.2451



23.4025, 0.2780, 0.2499



8.4899, 0.2985, 0.3101



3.2218, 0.1558, 0.0808



0.1804, 0.1695, 0.1302

Previews

White Background



This preview shows how the Yxy color 37.9832, 0.3592, 0.3872 looks on a white background.

Color Contrast Check

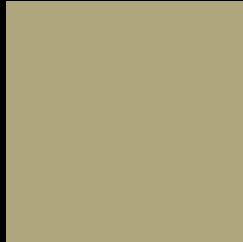
Large Text (above 18pt) WCAG AA × Fail

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 37.9832, 0.3592, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

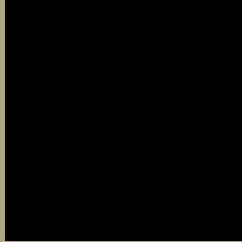
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

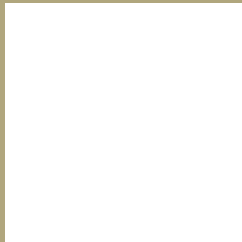
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9832, 0.3592, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 37.9832, 0.3592, 0.3872.



This preview shows how white text looks on a background with the Yxy color 37.9832, 0.3592, 0.3872.

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

37.9832, 0.3592, 0.3872

Protanopia

38.1002, 0.3603, 0.3870

Deuteranopia

37.9047, 0.3806, 0.3731



Tritanopia

38.0653, 0.3231, 0.3128

Trichromacy



Original Color

37.9832, 0.3592, 0.3872

Protanomaly

38.1002, 0.3603, 0.3870

Deuteranomaly

38.0384, 0.3721, 0.3782

Tritanomaly

37.9105, 0.3365, 0.3388

Monochromacy



Original Color

37.9832, 0.3592, 0.3872

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.4371, 0.3288, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9832, 0.3592, 0.3872 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(176, 166, 125)` looks like.

```
.text, #text, p{  
    color:rgb(176, 166, 125)  
}
```

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(176, 166, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 166, 125) }
```

Border

The CSS property to change the border of an element to Yxy 37.9832, 0.3592, 0.3872 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(176, 166, 125) }
```

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

```
.border{ border-color:rgb(176, 166, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 166, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 166, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 166, 125);  
box-shadow:4px 4px 4px 4px rgb(176, 166,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9832, 0.3592, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 166, 125) }
```

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

```
.background{ background-color: rgb(176,  
166, 125) }
```

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](#).

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