

Converting Colors

XYZ(37.5269, 40.6705, 23.5954)

Have a look what the booklet for
XYZ(37.5269, 40.6705, 23.5954)
contains.

XYZ(37.4815, 40.5492, 23.6206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.4815, 40.5492,
23.6206)**

Conversions

Conversions Part 1

Format	Color
Hex	B7AB78
RGB	183, 171, 120
RGB Percent	72%, 67%, 47%
CMY	0.2824, 0.3294, 0.5294
CMYK	0.00, 0.07, 0.34, 0.28
HSL	49°, 30%, 59%
HSV	49°, 34%, 72%
XYZ	37.4815, 40.5492, 23.6206
YIQ	168.7740, 23.5230, -13.3170

Conversions

Conversions Part 2

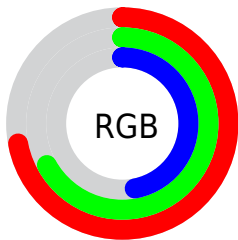
Format	Color
RYB	135, 183, 120
Decimal	12036984
CIELab	69.86, -3.42, 27.86
CIELCh	70, 28.069, 97.003
Yxy	40.5492, 0.3687, 0.3989
Android (android.graphics.Color)	4290227064 (0xFFB7AB78)
YUV	168.7740, -24.0456, 12.4762
Hunter-Lab	63.6783, -6.3705, 22.5819

Details

The XYZ color **37.4815, 40.5492, 23.6206** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.5440, 23.9137, 48.1219**, and the grayscale version is **37.7082, 39.6719, 43.2027**.

A 20% lighter version of the original color is **70.6744, 75.9351, 50.4672**, and **16.7874, 18.3157, 8.6117** is the 20% darker color. If you saturate the color by 10%, you get **35.8262, 38.8492, 18.1034**, and if you desaturate by 10%, it is **39.3685, 42.3725, 30.2632**.

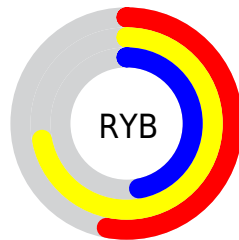
Distribution



Red (72%)

Green (67%)

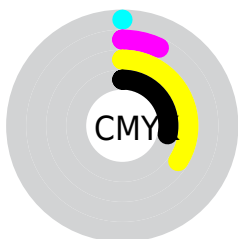
Blue (47%)



Red (53%)

Yellow (72%)

Blue (47%)

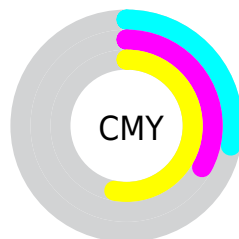


Cyan (0%)

Magenta (7%)

Yellow (34%)

Black (28%)



Cyan (28%)

Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4815, 40.5492, 23.6206 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 XYZ color 37.4815, 40.5492, 23.6206 by changing the saturation by 10% instead.

■ 37.4815, 40.5492,
23.6206

■ 37.4815, 40.5492,
23.6206

326.7099,
348.4330, 284.1212

■ 25.7559, 27.9670,
14.8428

■ 70.6218, 75.9991,
50.3464

■ 16.7728, 18.3008,
8.5638

■ 92.7671, 99.6356,
69.1315

■ 10.1670, 11.1662,
4.3648

■ 119.1164,
127.7256, 92.0895

■ 5.5729, 6.1787,
1.8276

150.0351,
160.6536, 119.6389

■ 2.6253, 2.9540,
0.4460

185.8884,
198.8040, 152.1982

■ 0.9589, 1.1078,
0.0000

227.0417,

■ 0.0000, 0.0000,

242.5610, 190.1860

0.0000

273.8605,
292.3092, 234.0208

■ 37.4815, 40.5492,
23.6206

■ 37.4815, 40.5492,
23.6206

■ 35.8262, 38.8492,
18.1034

■ 39.3685, 42.3725,
30.2632

■ 34.3872, 37.2619,
13.6450

■ 41.4954, 44.3183,
38.0875

■ 33.1522, 35.7835,
10.1761


■ 43.8738, 46.3929,
47.1492


■ 32.1059, 34.4077,
7.6176


■ 46.5135, 48.6003,
57.4994


■ 31.2310, 33.1274,
5.8785


■ 49.4238, 50.9446,
69.1867

 30.5064, 31.9339,
4.8489

 52.6136, 53.4295,
82.2569

 30.1429, 31.2962,
4.4521

 56.0913, 56.0585,
96.7537

 57.9742, 58.0788,
102.7625

 58.7845, 59.6994,
103.0326

Harmonies

Analogous

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



42.0694, 40.5492, 24.8327



37.4815, 40.5492, 23.6206



33.5001, 40.5492, 26.9781

Triad

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



37.4815, 40.5492, 23.6206



31.9531, 40.5492, 61.0574



47.1900, 40.5492, 54.7081

Complementary

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



37.4815, 40.5492, 23.6206



24.5440, 23.9137, 48.1219

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.



44.0633, 40.5492, 67.3986



37.4815, 40.5492, 23.6206



35.2152, 40.5492, 71.5402

Square

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



37.4815, 40.5492, 23.6206



30.4756, 40.5492, 47.2845



39.6199, 40.5492, 74.0645



47.9165, 40.5492, 41.1594

Rectangle

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



37.4815, 40.5492, 23.6206



31.6438, 40.5492, 31.8374



39.6199, 40.5492, 74.0645



46.3735, 40.5492, 59.2898

Sweetspot

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



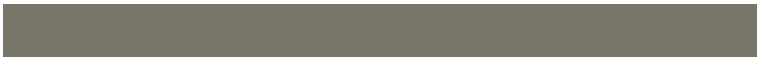
37.4825, 40.5511, 23.6214



76.0763, 80.9277, 74.8516



30.4512, 25.1831, 25.3020



16.6732, 17.7605, 16.0404



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.4825, 40.5511, 23.6214



64.9397, 70.3952, 34.9444



35.6543, 43.1262, 24.2149



9.6009, 10.2048, 9.5706



21.0757, 21.9277, 3.1217



0.7809, 0.8489, 0.1227

Inverse Universe

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



24.5440, 23.9137, 48.1219



38.4101, 36.2928, 85.2165



25.8949, 22.3327, 47.7455



8.6558, 8.9889, 11.3583



6.4173, 3.2944, 31.5507



0.2682, 0.2000, 1.1262

Previews

White Background



This preview shows how the XYZ color 37.4815, 40.5492, 23.6206 looks on a white background.

Color Contrast Check

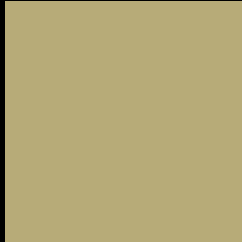
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.4815, 40.5492, 23.6206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

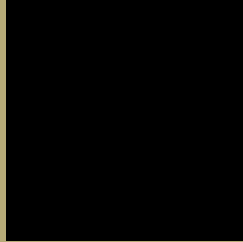
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

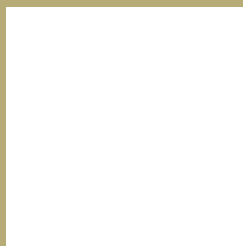
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4815, 40.5492, 23.6206

Background



This preview shows how black text looks on a background with the XYZ color 37.4815, 40.5492, 23.6206.



This preview shows how white text looks on a background with the XYZ color 37.4815, 40.5492,

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

37.4815, 40.5492, 23.6206

Protanopia

37.7202, 40.6722, 23.6318

Deuteranopia

41.2386, 40.2960, 24.0168



Tritanopia

42.1975, 40.5441, 47.1967

Trichromacy



Original Color

37.4815, 40.5492, 23.6206

Protanomaly

37.7202, 40.6722, 23.6318

Deuteranomaly

39.8524, 40.3887, 23.7845

Tritanomaly

40.3130, 40.6025, 37.1648

Monochromacy



Original Color

37.4815, 40.5492, 23.6206

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4162, 39.9825, 35.0235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4815, 40.5492, 23.6206 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(183, 171, 120)` looks like.

```
.text, #text, p{  
    color:rgb(183, 171, 120)  
}
```

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(183, 171, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 171, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.4815, 40.5492, 23.6206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

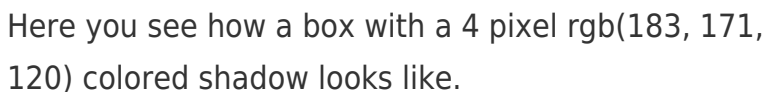
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 171, 120) }
```


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

```
.border{ border-color:rgb(183, 171, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 171, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 171, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 171, 120); box-shadow:4px 4px 4px 4px rgb(183, 171, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4815, 40.5492, 23.6206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 171, 120) }
```

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

```
.background{ background-color: rgb(183,  
171, 120) }
```

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