

Converting Colors

XYZ(37.2257, 37.7922, 40.4290)

Have a look what the booklet for
XYZ(37.2257, 37.7922, 40.4290)
contains.

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Color

**XYZ(37.2536, 37.8734,
40.4688)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA3A4
RGB	174, 163, 164
RGB Percent	68%, 64%, 64%
CMY	0.3176, 0.3608, 0.3569
CMYK	0.00, 0.06, 0.06, 0.32
HSL	355°, 6%, 66%
HSV	355°, 6%, 68%
XYZ	37.2536, 37.8734, 40.4688
YIQ	166.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

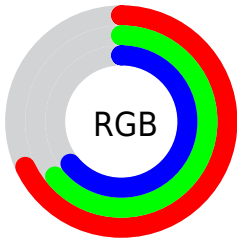
Format	Color
RYB	174, 163, 164
Decimal	11445156
CIELab	67.93, 4.16, 0.90
CIELCh	68, 4.257, 12.274
Yxy	37.8734, 0.3223, 0.3276
Android (android.graphics.Color)	4289635236 (0xFFAEA3A4)
YUV	166.4030, -1.1847, 6.6626
Hunter-Lab	61.5414, 0.3562, 4.0906

Details

The XYZ color **37.2536, 37.8734, 40.4688** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7846, 41.0767, 45.4743**, and the grayscale version is **36.4449, 38.3429, 41.7554**.

A 20% lighter version of the original color is **70.1707, 71.9153, 77.2005**, and **16.6351, 16.6763, 17.6713** is the 20% darker color. If you saturate the color by 10%, you get **33.0332, 31.5785, 32.4454**, and if you desaturate by 10%, it is **42.0791, 45.0929, 49.5720**.

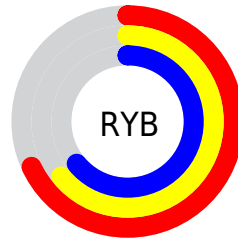
Distribution



Red (68%)

Green (64%)

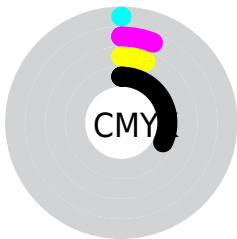
Blue (64%)



Red (68%)

Yellow (64%)

Blue (64%)

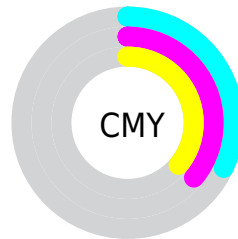


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2536, 37.8734, 40.4688 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 37.2536, 37.8734, 40.4688 by changing the saturation by 10% instead.

■ 37.2536, 37.8734,
40.4688

■ 37.2536, 37.8734,
40.4688

325.7437,
337.0766, 363.7062

■ 25.5785, 25.8844,
27.5877

■ 70.2740, 71.9141,
77.1217

■ 16.6396, 16.7372,
17.7788

■ 92.3499, 94.7345,
101.7306

■ 10.0716, 10.0473,
10.6235

118.6235,
121.9343, 131.0859

■ 5.5091, 5.4303,
5.7033

149.4601,
153.8978, 165.6060

■ 2.5867, 2.5019,
2.5997

185.2251,
191.0094, 205.7096

■ 0.9392, 0.8776,
0.8923

226.2837,

■ 0.0000, 0.0000,

233.6534, 251.8151

0.0000

273.0015,
282.2144, 304.3411

■ 37.2536, 37.8734,
40.4688

■ 37.2536, 37.8734,
40.4688

■ 33.0332, 31.5785,
32.4454

■ 42.0791, 45.0929,
49.5720

■ 29.3909, 26.1661,
25.4592

■ 47.5288, 53.2670,
59.7903

■ 26.3024, 21.5983,
19.4688

■ 53.6251, 62.4306,
71.1607

■ 23.7405, 17.8325,
14.4285

■ 60.3883, 72.6152,
83.7176

■ 21.6757, 14.8223,
10.2896

■ 67.8378, 83.8509,
97.4939

■ 20.0757, 12.5166,
6.9988

■ 71.2658, 87.7388,
107.7869

■ 18.9040, 10.8581,
4.4970

■ 18.1189, 9.7802,
2.7179

■ 17.6662, 9.1942,
1.5824

Harmonies

Analogous

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



37.2216, 37.8734, 42.3557



37.2536, 37.8734, 40.4688



36.9460, 37.8734, 38.8376

Triad

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



37.2536, 37.8734, 40.4688



35.1494, 37.8734, 38.6030



35.6120, 37.8734, 44.8024

Complementary

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



37.2536, 37.8734, 40.4688



37.7846, 41.0767, 45.4743

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.



35.0654, 37.8734, 43.7346



37.2536, 37.8734, 40.4688



34.8006, 37.8734, 40.1395

Square

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



37.2536, 37.8734, 40.4688



35.7280, 37.8734, 37.7827



34.7700, 37.8734, 42.0163



36.2684, 37.8734, 44.8971

Rectangle

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



37.2536, 37.8734, 40.4688



36.5920, 37.8734, 38.0993



34.7700, 37.8734, 42.0163



35.4095, 37.8734, 44.5439

Sweetspot

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



37.2547, 37.8751, 40.4696



71.1887, 74.1021, 80.2377



37.9498, 38.1249, 45.4036



15.8436, 16.5016, 17.8736



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.2547, 37.8751, 40.4696



66.1005, 66.4978, 70.6121



37.9597, 39.4286, 40.2621



8.0336, 8.0267, 8.4880



12.7375, 6.5575, 0.9972



0.3636, 0.1861, 0.0765

Inverse Universe

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



37.2547, 37.8751, 40.4696



66.1005, 66.4978, 70.6121



37.0455, 39.4436, 45.7057



8.0336, 8.0267, 8.4880



12.7375, 6.5575, 0.9972



0.3636, 0.1861, 0.0765

Previews

White Background



This preview shows how the XYZ color 37.2536, 37.8734, 40.4688 looks on a white background.

Color Contrast Check

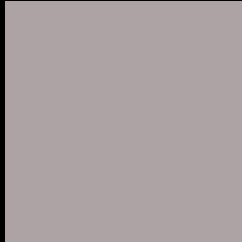
Large Text (above 18pt) WCAG AA × Fail

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 37.2536, 37.8734, 40.4688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

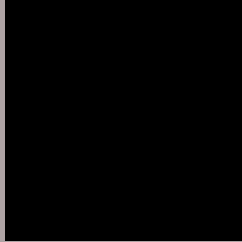
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2536, 37.8734, 40.4688

Background



This preview shows how black text looks on a background with the XYZ color 37.2536, 37.8734, 40.4688.

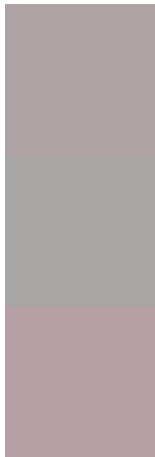


This preview shows how white text looks on a background with the XYZ color 37.2536, 37.8734,

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

37.2536, 37.8734, 40.4688

Protanopia

36.3951, 37.9517, 41.0045

Deuteranopia

38.6537, 37.8033, 40.8568



Tritanopia

38.0640, 37.6597, 45.3073

Trichromacy



Original Color

37.2536, 37.8734, 40.4688

Protanomaly

36.6446, 37.8136, 40.9647

Deuteranomaly

38.1268, 37.7901, 40.8820

Tritanomaly

37.8552, 37.8569, 43.3421

Monochromacy



Original Color

37.2536, 37.8734, 40.4688

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.6089, 38.0619, 41.0145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2536, 37.8734, 40.4688 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, 163, 164)` looks like.

```
.text, #text, p{  
    color:rgb(174, 163, 164)  
}
```

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, 163, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 163, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.2536, 37.8734, 40.4688 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, 163, 164) }
```


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

```
.border{ border-color:rgb(174, 163, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 163, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 163, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 163, 164);  
box-shadow:4px 4px 4px 4px rgb(174, 163,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2536, 37.8734, 40.4688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 163, 164) }
```

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

```
.background{ background-color: rgb(174,  
163, 164) }
```

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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