

Converting Colors

XYZ(37.6531, 40.8453, 35.3612)

Have a look what the booklet for
XYZ(37.6531, 40.8453, 35.3612)
contains.

XYZ(37.7631, 41.0057, 35.2027)	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(37.7631, 41.0057,
35.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	ADAD97
RGB	173, 173, 151
RGB Percent	68%, 68%, 59%
CMY	0.3216, 0.3216, 0.4078
CMYK	0.00, 0.00, 0.13, 0.32
HSL	60°, 12%, 64%
HSV	60°, 13%, 68%
XYZ	37.7631, 41.0057, 35.2027
YIQ	170.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

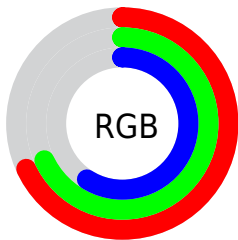
Format	Color
RYB	151, 173, 151
Decimal	11382167
CIELab	70.18, -3.89, 11.32
CIELCh	70, 11.968, 108.966
Yxy	41.0057, 0.3313, 0.3598
Android (android.graphics.Color)	4289572247 (0xFFADAD97)
YUV	170.4920, -9.6096, 2.1995
Hunter-Lab	64.0357, -6.7975, 12.2312

Details

The XYZ color **37.7631, 41.0057, 35.2027** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3734, 31.7307, 44.0084**, and the grayscale version is **38.4991, 40.5040, 44.1089**.

A 20% lighter version of the original color is **71.0759, 76.5526, 68.7876**, and **17.0228, 18.6598, 14.7611** is the 20% darker color. If you saturate the color by 10%, you get **36.4599, 40.4857, 28.3379**, and if you desaturate by 10%, it is **39.2748, 41.6118, 43.1552**.

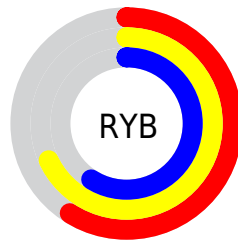
Distribution



Red (68%)

Green (68%)

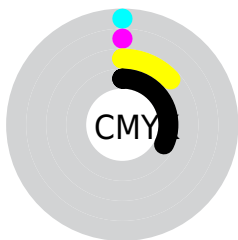
Blue (59%)



Red (59%)

Yellow (68%)

Blue (59%)

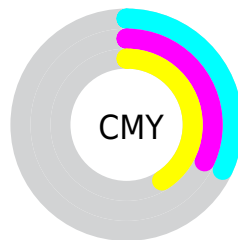


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7631, 41.0057, 35.2027 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 37.7631, 41.0057, 35.2027 by changing the saturation by 10% instead.

■ 37.7631, 41.0057,
35.2027

■ 37.7631, 41.0057,
35.2027

327.9011,
350.3444, 340.3935

■ 25.9753, 28.3235,
23.5343

■ 71.0511, 76.6925,
68.9548

■ 16.9377, 18.5697,
14.7795

■ 93.2820, 100.4660,
91.8755

■ 10.2851, 11.3598,
8.5199

119.7246,
128.7054, 119.3841

■ 5.6521, 6.3094,
4.3369

150.7443,
161.7950, 151.8991

■ 2.6734, 3.0341,
1.8119

186.7065,
200.1194, 189.8389

■ 0.9835, 1.1496,
0.4358

227.9764,

■ 0.0000, 0.0199,

244.0628, 233.6223

0.0000

274.9195,
294.0097, 283.6676

■ 0.0000, 0.0000,
0.0000

■ 37.7631, 41.0057,
35.2027

■ 37.7631, 41.0057,
35.2027

■ 36.4599, 40.4857,
28.3379

■ 39.2748, 41.6118,
43.1552

■ 35.3528, 40.0428,
22.5112

■ 40.9999, 42.3019,
52.2371

■ 34.4335, 39.6750,
17.6727

■ 42.9477, 43.0811,
62.4910

■ 33.6914, 39.3781,
13.7677

■ 45.1255, 43.9523,
73.9565

■ 33.1152, 39.1476,
10.7362

■ 47.5406, 44.9184,
86.6714

■ 32.6921, 38.9783,
8.5109

■ 50.1998, 45.9821,
100.6719

■ 32.4075, 38.8644,
7.0150

■ 50.2320, 45.9950,
100.8382

■ 32.2439, 38.7989,
6.1568

■ 50.2325, 45.9953,
100.8382

■ 32.1735, 38.7707,
5.7878

■ 50.2330, 45.9956,
100.8382

Harmonies

Analogous

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



39.7001, 41.0057, 34.8740



37.7631, 41.0057, 35.2027



36.2016, 41.0057, 37.9334

Triad

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



37.7631, 41.0057, 35.2027



36.5535, 41.0057, 53.2909



42.7903, 41.0057, 46.7450

Complementary

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



37.7631, 41.0057, 35.2027



31.3734, 31.7307, 44.0084

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.



41.8859, 41.0057, 52.1122



37.7631, 41.0057, 35.2027



38.2582, 41.0057, 56.0968

Square

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



37.7631, 41.0057, 35.2027



35.5195, 41.0057, 48.2473



40.2119, 41.0057, 55.6482



42.6469, 41.0057, 41.2327

Rectangle

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



37.7631, 41.0057, 35.2027



35.5633, 41.0057, 40.8869



40.2119, 41.0057, 55.6482



42.5976, 41.0057, 48.6335

Sweetspot

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



37.7642, 41.0075, 35.2036



69.9478, 74.3658, 75.2434



33.8873, 33.2528, 33.9111



15.1560, 16.1433, 16.1142



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



37.7642, 41.0075, 35.2036



67.0018, 73.1873, 59.7355



35.4312, 39.8048, 35.0944



8.6626, 9.3302, 8.5577



23.6350, 28.4814, 4.2518



0.6575, 0.7923, 0.1183

Inverse Universe

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



31.3734, 31.7307, 44.0084



53.5047, 53.5951, 78.3307



33.5109, 32.8326, 44.1084



7.5790, 7.7573, 10.0505



5.5416, 2.2167, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 37.7631, 41.0057, 35.2027 looks on a white background.

Color Contrast Check

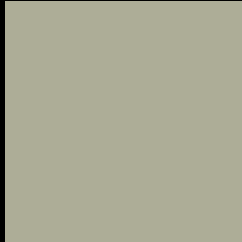
Large Text (above 18pt) WCAG AA × Fail

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 37.7631, 41.0057, 35.2027 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

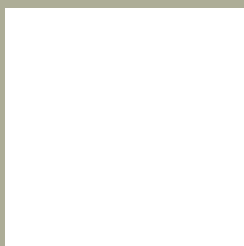
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7631, 41.0057, 35.2027

Background



This preview shows how black text looks on a background with the XYZ color 37.7631, 41.0057, 35.2027.



This preview shows how white text looks on a background with the XYZ color 37.7631, 41.0057,

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

37.7631, 41.0057, 35.2027

Protanopia

38.8903, 41.0311, 34.7242

Deuteranopia

41.7106, 40.8123, 35.8162



Tritanopia

40.7629, 41.1004, 50.0407

Trichromacy



Original Color

37.7631, 41.0057, 35.2027

Protanomaly

38.3890, 41.0542, 34.7551

Deuteranomaly

40.1636, 40.8371, 35.4713

Tritanomaly

39.6299, 40.9198, 44.3377

Monochromacy



Original Color

37.7631, 41.0057, 35.2027

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9684, 40.4281, 40.4526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7631, 41.0057, 35.2027 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(173, 173, 151)` looks like.

```
.text, #text, p{  
    color:rgb(173, 173, 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(173, 173, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 173, 151) }
```

Border

The CSS property to change the border of an element to XYZ 37.7631, 41.0057, 35.2027 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(173, 173, 151) }
```


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

```
.border{ border-color:rgb(173, 173, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 173, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 173, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 173, 151);  
box-shadow:4px 4px 4px 4px rgb(173, 173,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7631, 41.0057, 35.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 173, 151) }
```

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

```
.background{ background-color: rgb(173,  
173, 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