

Converting Colors

XYZ(37.6799, 41.6224, 27.4739)

Have a look what the booklet for
XYZ(37.6799, 41.6224, 27.4739)
contains.

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Color

**XYZ(37.7868, 41.7636,
27.5423)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AF83
RGB	178, 175, 131
RGB Percent	70%, 69%, 51%
CMY	0.3020, 0.3137, 0.4863
CMYK	0.00, 0.02, 0.26, 0.30
HSL	56°, 23%, 61%
HSV	56°, 26%, 70%
XYZ	37.7868, 41.7636, 27.5423
YIQ	170.8810, 15.9120, -13.0480

Conversions

Conversions Part 2

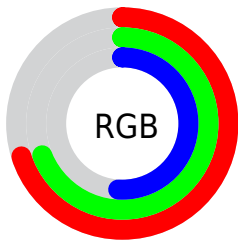
Format	Color
RYB	134, 178, 131
Decimal	11710339
CIELab	70.71, -6.09, 23.01
CIELCh	71, 23.801, 104.819
Yxy	41.7636, 0.3528, 0.3900
Android (android.graphics.Color)	4289900419 (0xFFB2AF83)
YUV	170.8810, -19.6613, 6.2434
Hunter-Lab	64.6248, -8.7224, 19.9686

Details

The XYZ color **37.7868, 41.7636, 27.5423** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.9209, 25.0892, 45.5962**, and the grayscale version is **38.7398, 40.7573, 44.3847**.

A 20% lighter version of the original color is **70.8802, 77.5467, 56.5796**, and **17.0256, 19.1200, 10.5778** is the 20% darker color. If you saturate the color by 10%, you get **36.4631, 40.8837, 21.6519**, and if you desaturate by 10%, it is **39.3218, 42.7339, 34.5268**.

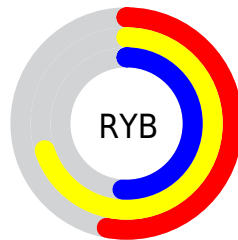
Distribution



Red (70%)

Green (69%)

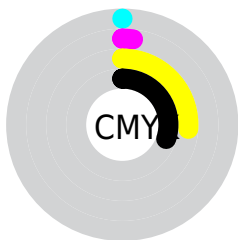
Blue (51%)



Red (53%)

Yellow (70%)

Blue (51%)

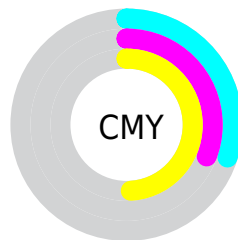


Cyan (0%)

Magenta (2%)

Yellow (26%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7868, 41.7636, 27.5423 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 37.7868, 41.7636, 27.5423 by changing the saturation by 10% instead.

■ 37.7868, 41.7636,
27.5423

■ 37.7868, 41.7636,
27.5423

328.0012,
353.5020, 304.1162

■ 25.9937, 28.9162,
17.7449

■ 71.0872, 77.8417,
56.7671

■ 16.9516, 19.0175,
10.5994

■ 93.3253, 101.8413,
77.0317

■ 10.2951, 11.6829,
5.6874

■ 119.7758,
130.3270, 101.6223

■ 5.6588, 6.5281,
2.5903

150.8040,
163.6833, 130.9576

■ 2.6774, 3.1688,
0.8874

186.7753,
202.2945, 165.4561

■ 0.9856, 1.2205,
0.0000

228.0550,

■ 0.0000, 0.0783,

246.5451, 205.5363

0.0000

275.0085,
296.8195, 251.6168

■ 0.0000, 0.0000,
0.0000

■ 37.7868, 41.7636,
27.5423

■ 37.7868, 41.7636,
27.5423

■ 36.4631, 40.8837,
21.6519

■ 39.3218, 42.7339,
34.5268

■ 35.3369, 40.0843,
16.7970

■ 41.0747, 43.7929,
42.6544

■ 34.3977, 39.3627,
12.9178

■ 43.0558, 44.9461,
51.9746

■ 33.6328, 38.7137,
9.9473

■ 45.2739, 46.1971,
62.5331

■ 33.0279, 38.1317,
7.8100

■ 47.7371, 47.5492,
74.3732

■ 32.5662, 37.6099,
6.4182

■ 50.4532, 49.0054,
87.5361

■ 32.2254, 37.1393,
5.6540

■ 53.3327, 50.5300,
101.5501

■ 32.1156, 36.9760,
5.4444

■ 53.5676, 50.9998,
101.6284

■ 53.8044, 51.4734,
101.7073

Harmonies

Analogous

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



41.7143, 41.7636, 27.5678



37.7868, 41.7636, 27.5423



34.5858, 41.7636, 31.7414

Triad

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



37.7868, 41.7636, 27.5423



34.5549, 41.7636, 62.5652



47.4733, 41.7636, 51.4016

Complementary

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



37.7868, 41.7636, 27.5423



25.9209, 25.0892, 45.5962

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.



45.2842, 41.7636, 62.6854



37.7868, 41.7636, 27.5423



37.7420, 41.7636, 69.8208

Square

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



37.7868, 41.7636, 27.5423



32.8056, 41.7636, 51.2578



41.6665, 41.7636, 69.8682



47.4873, 41.7636, 40.1415

Rectangle

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



37.7868, 41.7636, 27.5423



33.2199, 41.7636, 36.8441



41.6665, 41.7636, 69.8682



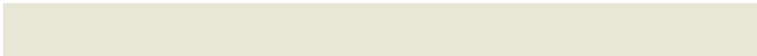
46.9613, 41.7636, 55.3549

Sweetspot

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



37.7879, 41.7655, 27.5432



73.9056, 79.0702, 74.6415



30.7892, 27.4230, 26.2740



16.2650, 17.4529, 16.0302



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.7879, 41.7655, 27.5432



67.0046, 74.7374, 43.1491



34.0460, 40.7117, 27.5370



9.1498, 9.8120, 9.0642



22.9965, 26.4916, 3.9014



0.7374, 0.8612, 0.1274

Inverse Universe

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



25.9209, 25.0892, 45.5962



41.6460, 39.1041, 81.7340



28.9833, 26.0619, 45.6225



8.0840, 8.3142, 10.6851



5.8556, 2.5116, 30.3132



0.1986, 0.1076, 0.9586

Previews

White Background



This preview shows how the XYZ color 37.7868, 41.7636, 27.5423 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 37.7868, 41.7636, 27.5423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

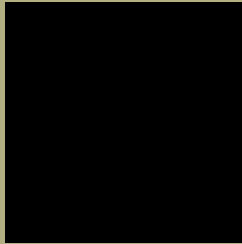
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7868, 41.7636, 27.5423

Background



This preview shows how black text looks on a background with the XYZ color 37.7868, 41.7636, 27.5423.



This preview shows how white text looks on a background with the XYZ color 37.7868, 41.7636,

27.5423.

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

37.7868, 41.7636, 27.5423

Protanopia

38.9804, 41.8131, 27.1353

Deuteranopia

42.4985, 41.6624, 27.9920



Tritanopia

42.2133, 41.5730, 50.0555

Trichromacy



Original Color

37.7868, 41.7636, 27.5423

Protanomaly

38.4567, 41.8289, 27.1660

Deuteranomaly

40.6010, 41.5112, 27.7024

Tritanomaly

40.4652, 41.7152, 40.5694

Monochromacy



Original Color

37.7868, 41.7636, 27.5423

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.2088, 40.9040, 37.3339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7868, 41.7636, 27.5423 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(178, 175, 131)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 131)  
}
```

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(178, 175, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 131) }
```

Border

The CSS property to change the border of an element to XYZ 37.7868, 41.7636, 27.5423 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(178, 175, 131) }
```


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

```
.border{ border-color:rgb(178, 175, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 175, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 175, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 175, 131);  
box-shadow:4px 4px 4px 4px rgb(178, 175,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7868, 41.7636, 27.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 131) }
```

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

```
.background{ background-color: rgb(178,  
175, 131) }
```

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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