

Converting Colors

XYZ(37.7728, 41.7663, 40.2533)

Have a look what the booklet for
XYZ(37.7728, 41.7663, 40.2533)
contains.

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Color

**XYZ(37.7728, 41.7663,
40.2533)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B0A2
RGB	166, 176, 162
RGB Percent	65%, 69%, 64%
CMY	0.3490, 0.3098, 0.3647
CMYK	0.06, 0.00, 0.08, 0.31
HSL	103°, 8%, 66%
HSV	103°, 8%, 69%
XYZ	37.7728, 41.7663, 40.2533
YIQ	171.4140, -1.4660, -6.4740

Conversions

Conversions Part 2

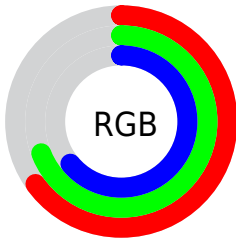
Format	Color
RYB	162, 176, 172
Decimal	10924194
CIELab	70.71, -6.14, 5.96
CIELCh	71, 8.556, 135.868
Yxy	41.7663, 0.3153, 0.3487
Android (android.graphics.Color)	4289114274 (0xFFA6B0A2)
YUV	171.4140, -4.6411, -4.7481
Hunter-Lab	64.6269, -8.7681, 8.3096

Details

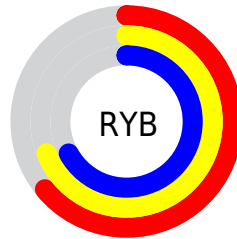
The XYZ color **37.7728, 41.7663, 40.2533** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7717, 37.7471, 46.3716**, and the grayscale version is **38.9410, 40.9690, 44.6152**.

A 20% lighter version of the original color is **71.1998, 78.0951, 76.9669**, and **16.9616, 19.1185, 17.5481** is the 20% darker color. If you saturate the color by 10%, you get **33.8087, 39.8922, 32.4646**, and if you desaturate by 10%, it is **42.2160, 43.8644, 49.2093**.

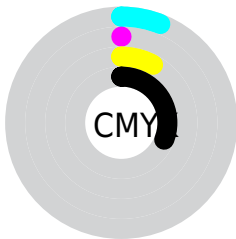
Distribution



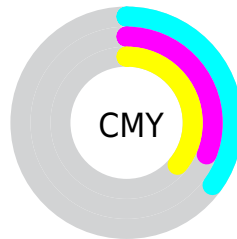
- Red (65%)
- Green (69%)
- Blue (64%)



- Red (64%)
- Yellow (69%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (31%)



- Cyan (35%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7728, 41.7663, 40.2533 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 37.7728, 41.7663, 40.2533 by changing the saturation by 10% instead.

■ 37.7728, 41.7663,
40.2533

■ 37.7728, 41.7663,
40.2533

327.9421,
353.5132, 362.7738

■ 25.9828, 28.9183,
27.4208

■ 71.0659, 77.8458,
76.7904

■ 16.9434, 19.0191,
17.6543

■ 93.2997, 101.8461,
101.3320

■ 10.2892, 11.6840,
10.5352

119.7456,
130.3327, 130.6138

■ 5.6549, 6.5289,
5.6450

150.7688,
163.6900, 165.0543

■ 2.6750, 3.1693,
2.5652

186.7346,
202.3022, 205.0720

■ 0.9843, 1.2207,
0.8744

228.0086,

■ 0.0000, 0.0785,

246.5540, 251.0855

0.0000

274.9559,
296.8295, 303.5132

■ 0.0000, 0.0000,
0.0000

■ 37.7728, 41.7663,
40.2533

■ 37.7728, 41.7663,
40.2533

■ 33.8087, 39.8922,
32.4646

■ 42.2160, 43.8644,
49.2093

■ 30.3037, 38.2294,
25.7924

■ 47.1504, 46.1883,
59.3750

■ 27.2417, 36.7718,
20.1864

■ 52.5919, 48.7464,
70.7942

■ 24.6041, 35.5111,
15.5913

■ 58.5549, 51.5452,
83.5075

■ 22.3711, 34.4382,
11.9466

■ 65.0528, 54.5909,
97.5538

■ 20.5210, 33.5437,
9.1857

■ 70.0024, 57.0507,
101.9301

■ 19.0299, 32.8167,
7.2333

■ 74.4543, 59.3458,
102.1385

■ 17.8709, 32.2452,
6.0012

■ 74.8162, 59.5323,
102.1554

■ 17.0057, 31.8128,
5.3475

Harmonies

Analogous

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



38.9568, 41.7663, 38.3717



37.7728, 41.7663, 40.2533



37.1120, 41.7663, 43.5965

Triad

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



37.7728, 41.7663, 40.2533



39.0357, 41.7663, 53.4761



42.3782, 41.7663, 43.3748

Complementary

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



37.7728, 41.7663, 40.2533



37.7717, 37.7471, 46.3716

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.



42.4006, 41.7663, 47.4096



37.7728, 41.7663, 40.2533



40.4477, 41.7663, 53.4080

Square

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



37.7728, 41.7663, 40.2533



37.8293, 41.7663, 51.3139



41.6867, 41.7663, 51.1328



41.6264, 41.7663, 40.0993

Rectangle

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



37.7728, 41.7663, 40.2533



37.0468, 41.7663, 46.2793



41.6867, 41.7663, 51.1328



42.4719, 41.7663, 44.6828

Sweetspot

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



37.7740, 41.7681, 40.2542



73.1696, 77.9516, 82.3595



39.1423, 41.2695, 40.0859



15.8766, 16.9026, 17.8881



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.



37.7740, 41.7681, 40.2542



66.8365, 74.9606, 69.6896



37.2002, 41.4433, 41.5416



8.6094, 9.6037, 9.0525



12.4171, 23.3113, 3.8451



0.4496, 0.7638, 0.1237

Inverse Universe

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



37.7717, 37.7471, 46.3716



66.8312, 65.7722, 83.6682



38.3886, 38.0968, 44.9687



8.6088, 8.5224, 10.6976



12.0933, 5.5701, 30.5747



0.4344, 0.2031, 0.9645

Previews

White Background



This preview shows how the XYZ color 37.7728, 41.7663, 40.2533 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 37.7728, 41.7663, 40.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

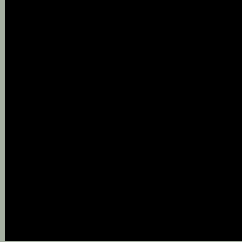
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

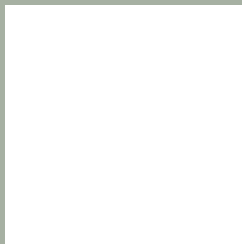
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7728, 41.7663, 40.2533

Background



This preview shows how black text looks on a background with the XYZ color 37.7728, 41.7663, 40.2533.



This preview shows how white text looks on a background with the XYZ color 37.7728, 41.7663,

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

37.7728, 41.7663, 40.2533

Protanopia

39.6881, 41.6268, 39.2007

Deuteranopia

42.5119, 41.6552, 40.9216



Tritanopia

40.1930, 41.5963, 52.3649

Trichromacy



Original Color

37.7728, 41.7663, 40.2533

Protanomaly

38.8322, 41.4590, 39.6739

Deuteranomaly

40.5140, 41.4611, 40.5178

Tritanomaly

39.2416, 41.4965, 47.5363

Monochromacy



Original Color

37.7728, 41.7663, 40.2533

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3736, 41.1493, 42.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7728, 41.7663, 40.2533 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(166, 176, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 176, 162)  
}
```

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(166, 176, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 176, 162) }
```

Border

The CSS property to change the border of an element to XYZ 37.7728, 41.7663, 40.2533 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(166, 176, 162) }
```


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

```
.border{ border-color:rgb(166, 176, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 176, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 176, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 176, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 176,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7728, 41.7663, 40.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 176, 162) }
```

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

```
.background{ background-color: rgb(166,  
176, 162) }
```

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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