

Converting Colors

XYZ(37.2383, 42.4874, 26.5388)

Have a look what the booklet for
XYZ(37.2383, 42.4874, 26.5388)
contains.

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Color

**XYZ(37.2722, 42.3980,
26.6412)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB280
RGB	174, 178, 128
RGB Percent	68%, 70%, 50%
CMY	0.3176, 0.3019, 0.4980
CMYK	0.02, 0.00, 0.28, 0.30
HSL	65°, 25%, 60%
HSV	65°, 28%, 70%
XYZ	37.2722, 42.3980, 26.6412
YIQ	171.1040, 13.6660, -16.3980

Conversions

Conversions Part 2

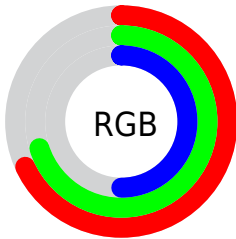
Format	Color
RYB	128, 178, 132
Decimal	11448960
CIELab	71.14, -9.65, 25.16
CIELCh	71, 26.944, 110.980
Yxy	42.3980, 0.3506, 0.3988
Android (android.graphics.Color)	4289639040 (0xFFAEB280)
YUV	171.1040, -21.2503, 2.5398
Hunter-Lab	65.1137, -11.7727, 21.3212

Details

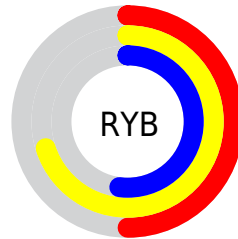
The XYZ color **37.2722, 42.3980, 26.6412** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.2724, 23.5593, 45.3374**, and the grayscale version is **38.8605, 40.8842, 44.5229**.

A 20% lighter version of the original color is **70.3964, 79.0048, 55.2552**, and **16.5939, 19.2822, 10.0550** is the 20% darker color. If you saturate the color by 10%, you get **35.8864, 41.8086, 20.9878**, and if you desaturate by 10%, it is **38.8691, 43.0751, 33.3792**.

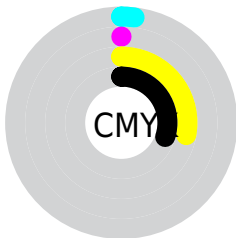
Distribution



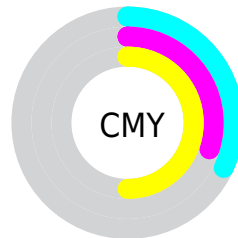
- Red (68%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (52%)



- Cyan (2%)
- Magenta (0%)
- Yellow (28%)
- Black (30%)



- Cyan (32%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2722, 42.3980, 26.6412 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 37.2722, 42.3980, 26.6412 by changing the saturation by 10% instead.

■ 37.2722, 42.3980,
26.6412

■ 37.2722, 42.3980,
26.6412

325.8226,
356.1302, 299.6207

■ 25.5930, 29.4131,
17.0739

■ 70.3023, 78.8016,
55.3043

■ 16.6505, 19.3935,
10.1247

■ 92.3840, 102.9891,
75.2371

■ 10.0793, 11.9550,
5.3750

■ 118.6637,
131.6796, 99.4623

■ 5.5143, 6.7130,
2.4064

149.5070,
165.2574, 128.3982

■ 2.5899, 3.2833,
0.7899

185.2792,
204.1069, 162.4634

■ 0.9408, 1.2814,
0.0000

226.3456,

■ 0.0000, 0.1267,

248.6127, 202.0766

0.0000

273.0717,
299.1589, 247.6561

■ 0.0000, 0.0000,
0.0000

■ 37.2722, 42.3980,
26.6412

■ 37.2722, 42.3980,
26.6412

■ 35.8864, 41.8086,
20.9878

■ 38.8691, 43.0751,
33.3792

■ 34.6977, 41.2970,
16.3596

■ 40.6839, 43.8383,
41.2514

■ 33.6955, 40.8604,
12.6960

■ 42.7269, 44.6932,
50.3079

■ 32.8667, 40.4936,
9.9285

■ 45.0070, 45.6433,
60.5947

■ 32.1968, 40.1907,
7.9800

■ 47.5323, 46.6919,
72.1555

■ 31.6686, 39.9448,
6.7602

■ 50.3109, 47.8422,
85.0320

■ 31.2541, 39.7448,
6.1218

■ 53.3503, 49.0972,
99.2636

■ 31.1793, 39.7085,
6.0212

■ 54.0768, 49.4274,
101.2980

■ 54.4234, 49.6061,
101.3143

Harmonies

Analogous

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



41.6729, 42.3980, 25.7236



37.2722, 42.3980, 26.6412



33.9291, 42.3980, 32.2269

Triad

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



37.2722, 42.3980, 26.6412



35.0812, 42.3980, 68.2727



49.4837, 42.3980, 50.1684

Complementary

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



37.2722, 42.3980, 26.6412



25.2724, 23.5593, 45.3374

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.



47.4179, 42.3980, 63.6323



37.2722, 42.3980, 26.6412



38.9537, 42.3980, 75.2933

Square

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



37.2722, 42.3980, 26.6412



32.7313, 42.3980, 55.6395



43.4833, 42.3980, 73.4527



48.9494, 42.3980, 37.8308

Rectangle

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



37.2722, 42.3980, 26.6412



32.6430, 42.3980, 38.5342



43.4833, 42.3980, 73.4527



49.0650, 42.3980, 54.7403

Sweetspot

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



37.2733, 42.3999, 26.6421



73.7569, 79.4865, 74.7297



30.4189, 27.3469, 24.0978



16.2260, 17.5620, 16.0533



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.



37.2733, 42.3999, 26.6421



65.9129, 76.1717, 41.4319



32.3347, 39.8539, 26.4110



9.1286, 9.8714, 9.0768



22.3327, 28.4230, 4.3091



0.7223, 0.9044, 0.1365

Inverse Universe

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



25.2724, 23.5593, 45.3374



40.3807, 36.0809, 81.2172



29.5313, 25.7548, 45.5367



8.1030, 8.2616, 10.6739



5.9050, 2.3799, 30.2851



0.2065, 0.0855, 0.9539

Previews

White Background



This preview shows how the XYZ color 37.2722, 42.3980, 26.6412 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 37.2722, 42.3980, 26.6412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

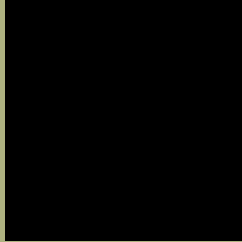
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

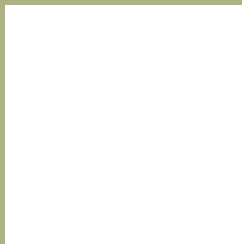
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2722, 42.3980, 26.6412

Background



This preview shows how black text looks on a background with the XYZ color 37.2722, 42.3980, 26.6412.



This preview shows how white text looks on a background with the XYZ color 37.2722, 42.3980,

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

37.2722, 42.3980, 26.6412

Protanopia

39.3955, 42.3433, 25.8354

Deuteranopia

43.0248, 42.2283, 27.0023



Tritanopia

42.2707, 42.4103, 51.3055

Trichromacy



Original Color

37.2722, 42.3980, 26.6412

Protanomaly

38.4521, 42.1373, 26.1853

Deuteranomaly

40.7735, 42.1801, 26.7615

Tritanomaly

40.1970, 42.4174, 41.1907

Monochromacy



Original Color

37.2722, 42.3980, 26.6412

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0657, 41.4093, 36.9969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2722, 42.3980, 26.6412 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, 178, 128)` looks like.

```
.text, #text, p{  
    color:rgb(174, 178, 128)  
}
```

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, 178, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 178, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.2722, 42.3980, 26.6412 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, 178, 128) }
```


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

```
.border{ border-color:rgb(174, 178, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 178, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 178, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 178, 128);  
box-shadow:4px 4px 4px 4px rgb(174, 178,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2722, 42.3980, 26.6412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 178, 128) }
```

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

```
.background{ background-color: rgb(174,  
178, 128) }
```

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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