

Converting Colors

XYZ(37.1750, 42.8117, 28.5781)

Have a look what the booklet for
XYZ(37.1750, 42.8117, 28.5781)
contains.

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Color

**XYZ(37.1325, 42.8820,
28.5103)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB485
RGB	170, 180, 133
RGB Percent	67%, 71%, 52%
CMY	0.3333, 0.2941, 0.4784
CMYK	0.06, 0.00, 0.26, 0.29
HSL	73°, 24%, 61%
HSV	73°, 26%, 71%
XYZ	37.1325, 42.8820, 28.5103
YIQ	171.6520, 9.1270, -16.7370

Conversions

Conversions Part 2

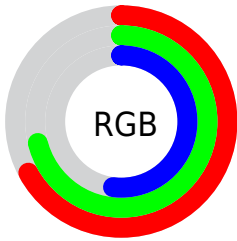
Format	Color
RYB	133, 180, 143
Decimal	11187333
CIELab	71.47, -11.53, 22.87
CIELCh	71, 25.609, 116.755
Yxy	42.8820, 0.3422, 0.3951
Android (android.graphics.Color)	4289377413 (0xFFAAB485)
YUV	171.6520, -19.0554, -1.4488
Hunter-Lab	65.4843, -13.3803, 20.0256

Details

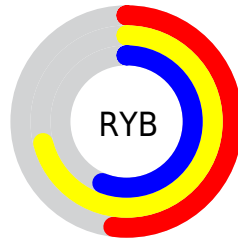
The XYZ color **37.1325, 42.8820, 28.5103** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.9551, 25.9111, 46.7103**, and the grayscale version is **39.1277, 41.1654, 44.8291**.

A 20% lighter version of the original color is **70.2224, 79.7048, 58.1378**, and **16.4868, 19.5852, 11.0950** is the 20% darker color. If you saturate the color by 10%, you get **35.1782, 42.0074, 22.4742**, and if you desaturate by 10%, it is **39.3263, 43.8581, 35.6718**.

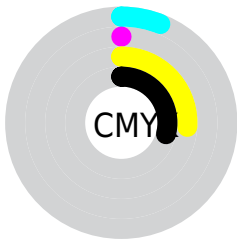
Distribution



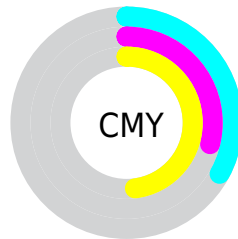
- Red (67%)
- Green (71%)
- Blue (52%)



- Red (52%)
- Yellow (71%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1325, 42.8820, 28.5103 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 37.1325, 42.8820, 28.5103 by changing the saturation by 10% instead.

■ 37.1325, 42.8820,
28.5103

■ 37.1325, 42.8820,
28.5103

325.2294,
358.1263, 308.8857

■ 25.4842, 29.7925,
18.4683

■ 70.0890, 79.5328,
58.3310

■ 16.5688, 19.6812,
11.1138

■ 92.1280, 103.8629,
78.9468

■ 10.0210, 12.1635,
6.0283

■ 118.3613,
132.7086, 103.9243

■ 5.4752, 6.8551,
2.7932

149.1542,
166.4544, 133.6819

■ 2.5663, 3.3717,
0.9901

184.8721,
205.4847, 168.6384

■ 0.9288, 1.3287,
0.0000

225.8804,

■ 0.0000, 0.1633,

250.1839, 209.2121

0.0000

272.5444,
300.9362, 255.8217

0.0000, 0.0000,
0.0000

37.1325, 42.8820,
28.5103

37.1325, 42.8820,
28.5103

35.1782, 42.0074,
22.4742

39.3263, 43.8581,
35.6718

33.4490, 41.2242,
17.5036

41.7666, 44.9341,
44.0092

31.9340, 40.5295,
13.5371

44.4642, 46.1158,
53.5732

30.6200, 39.9178,
10.5059

47.4281, 47.4070,
64.4106

29.4920, 39.3832,
8.3328

50.6669, 48.8110,
76.5659

■ 28.5328, 38.9188,
6.9279

■ 54.1890, 50.3312,
90.0813

■ 27.7199, 38.5156,
6.1742

■ 57.3505, 51.7101,
101.5661

■ 27.4250, 38.3680,
5.9603

■ 58.3653, 52.2332,
101.6136

■ 59.4058, 52.7696,
101.6623

Harmonies

Analogous

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



41.2300, 42.8820, 26.7428



37.1325, 42.8820, 28.5103



34.1994, 42.8820, 34.8281

Triad

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



37.1325, 42.8820, 28.5103



36.3725, 42.8820, 69.5419



49.6247, 42.8820, 48.0505

Complementary

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



37.1325, 42.8820, 28.5103



27.9551, 25.9111, 46.7103

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.



48.1058, 42.8820, 60.9820



37.1325, 42.8820, 28.5103



40.2898, 42.8820, 74.6911

Square

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



37.1325, 42.8820, 28.5103



33.7829, 42.8820, 58.2379



44.6122, 42.8820, 71.3126



48.6327, 42.8820, 36.7815

Rectangle

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



37.1325, 42.8820, 28.5103



33.1967, 42.8820, 41.4510



44.6122, 42.8820, 71.3126



49.3884, 42.8820, 52.3554

Sweetspot

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



37.1336, 42.8839, 28.5112



74.7947, 81.0604, 76.5561



32.7901, 30.8633, 26.4199



16.0199, 17.4558, 16.0437



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.



37.1336, 42.8839, 28.5112



65.3543, 76.8710, 45.5168



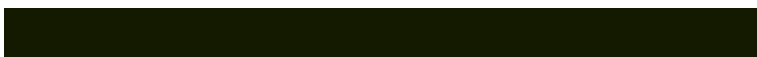
32.6069, 40.5503, 28.2994



9.0165, 9.8136, 9.0715



19.1977, 26.8068, 4.1624



0.6484, 0.8663, 0.1330

Inverse Universe

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



27.9551, 25.9111, 46.7103



46.0477, 41.1599, 83.8123



32.3321, 28.1676, 46.9151



8.2054, 8.3144, 10.6787



6.3631, 2.6161, 30.3066



0.2488, 0.1074, 0.9558

Previews

White Background



This preview shows how the XYZ color 37.1325, 42.8820, 28.5103 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 37.1325, 42.8820, 28.5103 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

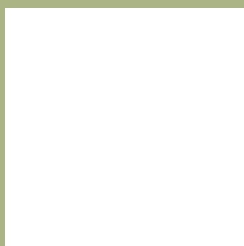
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1325, 42.8820, 28.5103

Background



This preview shows how black text looks on a background with the XYZ color 37.1325, 42.8820, 28.5103.



This preview shows how white text looks on a background with the XYZ color 37.1325, 42.8820,

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

37.1325, 42.8820, 28.5103

Protanopia

39.9202, 42.8634, 27.6422

Deuteranopia

43.6234, 42.7620, 29.2472



Tritanopia

42.0447, 42.8221, 53.0632

Trichromacy



Original Color

37.1325, 42.8820, 28.5103

Protanomaly

38.9431, 42.9340, 28.0644

Deuteranomaly

40.8639, 42.4608, 28.9637

Tritanomaly

39.9559, 42.8394, 42.7221

Monochromacy



Original Color

37.1325, 42.8820, 28.5103

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.2961, 41.7865, 38.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1325, 42.8820, 28.5103 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(170, 180, 133)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 133)  
}
```

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(170, 180, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 133) }
```

Border

The CSS property to change the border of an element to XYZ 37.1325, 42.8820, 28.5103 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(170, 180, 133) }
```


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

```
.border{ border-color:rgb(170, 180, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 133);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1325, 42.8820, 28.5103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 133) }
```

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

```
.background{ background-color: rgb(170,  
180, 133) }
```

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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