

Converting Colors

XYZ(35.2303, 37.9470, 29.1349)

Have a look what the booklet for
XYZ(35.2303, 37.9470, 29.1349)
contains.

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Color

**XYZ(35.1648, 37.8492,
29.1192)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA689
RGB	172, 166, 137
RGB Percent	67%, 65%, 54%
CMY	0.3255, 0.3490, 0.4627
CMYK	0.00, 0.03, 0.20, 0.33
HSL	50°, 17%, 61%
HSV	50°, 20%, 67%
XYZ	35.1648, 37.8492, 29.1192
YIQ	164.4880, 12.8850, -7.7470

Conversions

Conversions Part 2

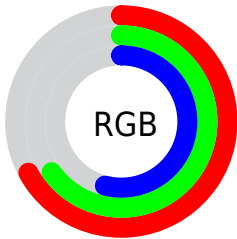
Format	Color
RYB	144, 172, 137
Decimal	11314825
CIELab	67.91, -2.73, 15.82
CIELCh	68, 16.050, 99.808
Yxy	37.8492, 0.3443, 0.3706
Android (android.graphics.Color)	4289504905 (0xFFACA689)
YUV	164.4880, -13.5516, 6.5880
Hunter-Lab	61.5217, -5.6353, 15.0023

Details

The XYZ color **35.1648, 37.8492, 29.1192** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.5853, 27.9412, 42.9692**, and the grayscale version is **35.5784, 37.4312, 40.7626**.

A 20% lighter version of the original color is **67.1456, 71.9246, 59.0591**, and **15.3454, 16.6447, 11.4208** is the 20% darker color. If you saturate the color by 10%, you get **33.4989, 36.3368, 22.9543**, and if you desaturate by 10%, it is **37.0417, 39.4682, 36.3258**.

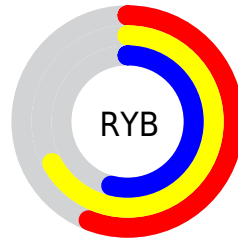
Distribution



Red (67%)

Green (65%)

Blue (54%)



Red (56%)

Yellow (67%)

Blue (54%)

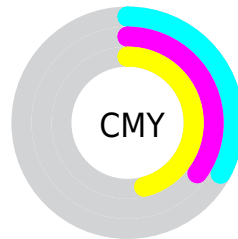


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (33%)



Cyan (33%)


Magenta (35%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1648, 37.8492, 29.1192 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 35.1648, 37.8492, 29.1192 by changing the saturation by 10% instead.


 35.1648, 37.8492,
29.1192


 35.1648, 37.8492,
29.1192


316.7904,
336.9726, 311.8555


 23.9570, 25.8657,
18.9247


 67.0733, 71.8769,
59.3109

 15.4263, 16.7232,
11.4396

 88.5047, 94.6899,
80.1451

 9.2073, 10.0373,
6.2455


 114.0747,
121.8816, 105.3629

 4.9349, 5.4237,
2.9237

144.1486,
153.8362, 135.3829

 2.2435, 2.4979,
1.0558

179.0917,
190.9382, 170.6236

 0.7655, 0.8756,
0.0000

219.2695,

 0.0000, 0.0000,

233.5720, 211.5036

0.0000

265.0473,
282.1220, 258.4414

■ 35.1648, 37.8492,
29.1192

■ 35.1648, 37.8492,
29.1192

■ 33.4989, 36.3368,
22.9543

■ 37.0417, 39.4682,
36.3258

■ 32.0316, 34.9221,
17.7797

■ 39.1354, 41.1924,
44.6174

■ 30.7538, 33.6025,
13.5432

■ 41.4551, 43.0270,
54.0378

■ 29.6544, 32.3736,
10.1869

■ 44.0087, 44.9750,
64.6278

■ 28.7211, 31.2302,
7.6464

■ 46.8035, 47.0397,
76.4260

■ 27.9400, 30.1667,
5.8485

■ 49.8465, 49.2240,
89.4693

■ 27.2946, 29.1763,
4.7071

■ 52.7555, 51.3751,
101.7436

■ 26.7659, 28.2758,
4.0471

■ 53.3855, 52.6350,
101.9536

■ 54.0284, 53.9208,
102.1679

Harmonies

Analogous

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



37.6531, 37.8492, 29.6319



35.1648, 37.8492, 29.1192



32.9946, 37.8492, 31.5471

Triad

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



35.1648, 37.8492, 29.1192



32.4194, 37.8492, 50.6314



40.6594, 37.8492, 46.1293

Complementary

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



35.1648, 37.8492, 29.1192



27.5853, 27.9412, 42.9692

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.



39.1287, 37.8492, 52.6716



35.1648, 37.8492, 29.1192



34.3466, 37.8492, 55.4717

Square

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



35.1648, 37.8492, 29.1192



31.4585, 37.8492, 43.5924



36.7966, 37.8492, 56.2586



40.9033, 37.8492, 38.9186

Rectangle

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



35.1648, 37.8492, 29.1192



31.9916, 37.8492, 34.6912



36.7966, 37.8492, 56.2586



40.2750, 37.8492, 48.5012

Sweetspot

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



35.1658, 37.8509, 29.1200



68.7605, 72.9034, 72.0336



30.9489, 28.6583, 30.0533



14.8924, 15.8015, 15.4541



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.



35.1658, 37.8509, 29.1200



62.5165, 67.5234, 48.0389



33.9493, 38.8798, 29.3827



8.5442, 9.0932, 8.5182



19.9532, 21.1119, 3.0234



0.5854, 0.6479, 0.0942

Inverse Universe

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



27.5853, 27.9412, 42.9692



46.4793, 46.5603, 77.3431



28.6203, 27.1741, 42.7666



7.6857, 7.9708, 10.0861



5.9058, 2.9454, 29.3018



0.1968, 0.1470, 0.8260

Previews

White Background



This preview shows how the XYZ color 35.1648, 37.8492, 29.1192 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 35.1648, 37.8492, 29.1192 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

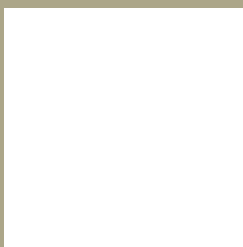
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1648, 37.8492, 29.1192

Background



This preview shows how black text looks on a background with the XYZ color 35.1648, 37.8492, 29.1192.



This preview shows how white text looks on a background with the XYZ color 35.1648, 37.8492,

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

35.1648, 37.8492, 29.1192

Protanopia

35.6497, 37.8304, 29.0900

Deuteranopia

38.4714, 37.7076, 29.2954



Tritanopia

38.5163, 37.8928, 45.3284

Trichromacy



Original Color

35.1648, 37.8492, 29.1192

Protanomaly

35.4260, 37.7151, 29.0795

Deuteranomaly

37.2749, 37.8660, 29.3890

Tritanomaly

37.2094, 37.8816, 39.0689

Monochromacy



Original Color

35.1648, 37.8492, 29.1192

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.2242, 37.4589, 35.9456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1648, 37.8492, 29.1192 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(172, 166, 137)` looks like.

```
.text, #text, p{  
    color:rgb(172, 166, 137)  
}
```

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(172, 166, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 166, 137) }
```

Border

The CSS property to change the border of an element to XYZ 35.1648, 37.8492, 29.1192 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(172, 166, 137) }
```


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

```
.border{ border-color:rgb(172, 166, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 166, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 166, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 166, 137);  
box-shadow:4px 4px 4px 4px rgb(172, 166,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1648, 37.8492, 29.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 166, 137) }
```

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

```
.background{ background-color: rgb(172,  
166, 137) }
```

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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