

Converting Colors

XYZ(36.9257, 37.1645, 11.2950)

Have a look what the booklet for
XYZ(36.9257, 37.1645, 11.2950)
contains.

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Color

**XYZ(36.9497, 37.0637,
11.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	C79E48
RGB	199, 158, 72
RGB Percent	78%, 62%, 28%
CMY	0.2196, 0.3804, 0.7176
CMYK	0.00, 0.21, 0.64, 0.22
HSL	41°, 53%, 53%
HSV	41°, 64%, 78%
XYZ	36.9497, 37.0637, 11.3374
YIQ	160.4550, 52.0420, -18.0540

Conversions

Conversions Part 2

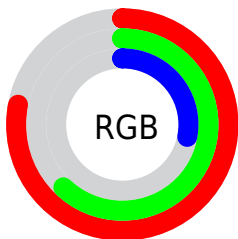
Format	Color
RYB	133, 199, 72
Decimal	13082184
CIELab	67.32, 5.76, 49.57
CIELCh	67, 49.906, 83.374
Yxy	37.0637, 0.4329, 0.4343
Android (android.graphics.Color)	4291272264 (0xFFC79E48)
YUV	160.4550, -43.6083, 33.8040
Hunter-Lab	60.8800, 1.7966, 31.5747

Details

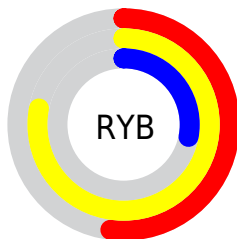
The XYZ color **36.9497, 37.0637, 11.3374** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.8861, 17.3107, 56.3783**, and the grayscale version is **33.8031, 35.5635, 38.7286**.

A 20% lighter version of the original color is **68.4216, 69.8022, 28.9357**, and **16.5306, 16.3132, 2.8936** is the 20% darker color. If you saturate the color by 10%, you get **35.3356, 34.7118, 8.0986**, and if you desaturate by 10%, it is **38.8329, 39.6178, 15.7031**.

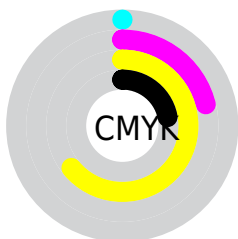
Distribution



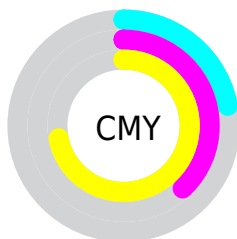
- Red (78%)
- Green (62%)
- Blue (28%)



- Red (52%)
- Yellow (78%)
- Blue (28%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9497, 37.0637, 11.3374 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 36.9497, 37.0637, 11.3374 by changing the saturation by 10% instead.


 36.9497, 37.0637,
11.3374


 36.9497, 37.0637,
11.3374


324.4520,
333.5862, 210.7878

 25.3420, 25.2568,
6.1772


 69.8098, 70.6707,
28.9285

 16.4622, 16.2685,
2.8826


 91.7929, 93.2397,
42.1966


 9.9447, 9.7143,
1.0350


 117.9652,
120.1648, 59.0044

 5.4243, 5.2100,
0.0000

 148.6920,
151.8304, 79.7704

 2.5356, 2.3710,
0.0000

 184.3388,
188.6210, 104.9132

 0.9132, 0.8109,
0.0000

225.2708,

 0.0000, 0.0000,

230.9209, 134.8513

0.0000

271.8534,
279.1145, 170.0033

■ 36.9497, 37.0637,
11.3374

■ 36.9497, 37.0637,
11.3374

■ 35.3356, 34.7118,
8.0986

■ 38.8329, 39.6178,
15.7031

■ 33.9661, 32.5466,
5.8729

■ 41.0017, 42.3776,
21.2902

■ 32.8155, 30.5578,
4.5263

■ 43.4742, 45.3533,
28.1858

■ 32.1840, 29.4040,
3.9793

■ 46.2661, 48.5524,
36.4682

■ 49.3918, 51.9818,
46.2097

■ 52.8648, 55.6484,
57.4773

■ 56.6977, 59.5583,
70.3342

■ 60.9026, 63.7175,
84.8396

■ 65.4908, 68.1318,
101.0498

Harmonies

Analogous

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



44.7351, 37.0637, 15.1389



36.9497, 37.0637, 11.3374



29.7172, 37.0637, 12.7525

Triad

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



36.9497, 37.0637, 11.3374



23.3943, 37.0637, 59.4465



48.3764, 37.0637, 71.0056

Complementary

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



36.9497, 37.0637, 11.3374



18.8861, 17.3107, 56.3783

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.



41.3810, 37.0637, 92.5800



36.9497, 37.0637, 11.3374



27.1732, 37.0637, 84.3929

Square

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



36.9497, 37.0637, 11.3374



22.5617, 37.0637, 35.6952



33.5605, 37.0637, 98.2050



51.9208, 37.0637, 45.4060

Rectangle

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



36.9497, 37.0637, 11.3374



26.0747, 37.0637, 16.8551



33.5605, 37.0637, 98.2050



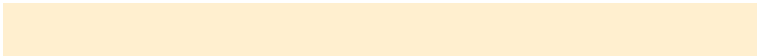
46.3060, 37.0637, 79.2954

Sweetspot

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



36.9506, 37.0655, 11.3381



83.4197, 87.6874, 71.2721



28.9269, 17.9996, 17.9693



17.5224, 18.4006, 14.2268



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.9506, 37.0655, 11.3381



60.7865, 59.1045, 12.2947



39.9149, 50.7597, 13.8251



11.2241, 11.8174, 11.2522



20.7774, 19.0721, 2.5862



1.0474, 1.0303, 0.1437

Inverse Universe

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



18.8861, 17.3107, 56.3783



26.7963, 22.0657, 97.4545



17.1575, 11.0945, 55.2696



10.3316, 10.8372, 13.4647



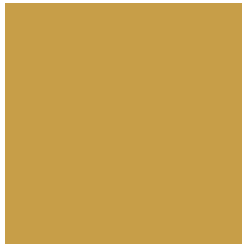
7.8874, 5.1686, 35.3263



0.4396, 0.3771, 1.6948

Previews

White Background



This preview shows how the XYZ color 36.9497, 37.0637, 11.3374 looks on a white background.

Color Contrast Check

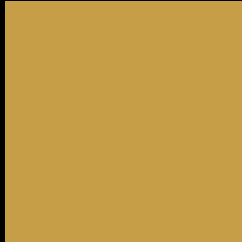
Large Text (above 18pt) WCAG AA × Fail

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 36.9497, 37.0637, 11.3374 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 36.9497, 37.0637, 11.3374

Background



This preview shows how black text looks on a background with the XYZ color 36.9497, 37.0637, 11.3374.



This preview shows how white text looks on a background with the XYZ color 36.9497, 37.0637,

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

36.9497, 37.0637, 11.3374

Protanopia

33.8029, 36.9904, 11.8368

Deuteranopia

37.7197, 36.9545, 11.4482



Tritanopia

42.5462, 37.1548, 38.1869

Trichromacy



Original Color

36.9497, 37.0637, 11.3374

Protanomaly

34.8620, 37.0131, 11.6101

Deuteranomaly

37.6167, 37.1515, 11.4917

Tritanomaly

39.7531, 36.7115, 25.4129

Monochromacy



Original Color

36.9497, 37.0637, 11.3374

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.7500, 35.3535, 25.4672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9497, 37.0637, 11.3374 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(199, 158, 72)` looks like.

```
.text, #text, p{  
    color:rgb(199, 158, 72)  
}
```

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(199, 158, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 158, 72) }
```

Border

The CSS property to change the border of an element to XYZ 36.9497, 37.0637, 11.3374 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(199, 158, 72) }
```


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

```
.border{ border-color:rgb(199, 158, 72) }
```

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

Here you see how a box with a 4 pixel rgb(199, 158, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 158, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 158, 72);  
box-shadow:4px 4px 4px 4px rgb(199, 158,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9497, 37.0637, 11.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 158, 72) }
```

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

```
.background{ background-color: rgb(199,  
158, 72) }
```

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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