

Converting Colors

XYZ(37.1890, 35.9894, 16.8531)

Have a look what the booklet for
XYZ(37.1890, 35.9894, 16.8531)
contains.

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Color

**XYZ(37.0964, 36.0178,
16.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	C69A63
RGB	198, 154, 99
RGB Percent	78%, 60%, 39%
CMY	0.2235, 0.3961, 0.6118
CMYK	0.00, 0.22, 0.50, 0.22
HSL	33°, 46%, 58%
HSV	33°, 50%, 78%
XYZ	37.0964, 36.0178, 16.8013
YIQ	160.8860, 43.8790, -7.7770

Conversions

Conversions Part 2

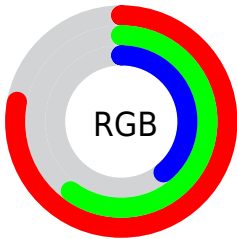
Format	Color
RYB	178, 198, 99
Decimal	13015651
CIELab	66.53, 9.65, 35.03
CIElCh	67, 36.331, 74.594
Yxy	36.0178, 0.4126, 0.4006
Android (android.graphics.Color)	4291205731 (0xFFC69A63)
YUV	160.8860, -30.5098, 32.5490
Hunter-Lab	60.0148, 5.3086, 25.4120

Details

The XYZ color **37.0964, 36.0178, 16.8013** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.1606, 26.3737, 57.1904**, and the grayscale version is **33.9470, 35.7149, 38.8935**.

A 20% lighter version of the original color is **69.3818, 68.6061, 38.8636**, and **16.6031, 15.6903, 5.2854** is the 20% darker color. If you saturate the color by 10%, you get **34.8642, 32.8870, 11.9460**, and if you desaturate by 10%, it is **39.6689, 39.4578, 22.9157**.

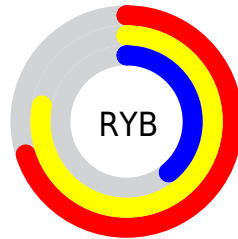
Distribution



Red (78%)

Green (60%)

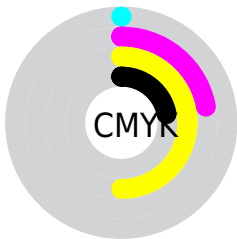
Blue (39%)



Red (70%)

Yellow (78%)

Blue (39%)

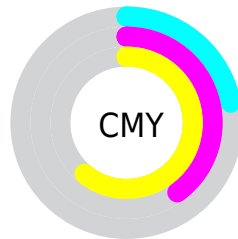


Cyan (0%)

Magenta (22%)

Yellow (50%)

Black (22%)



Cyan (22%)


Magenta (40%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0964, 36.0178, 16.8013 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 37.0964, 36.0178, 16.8013 by changing the saturation by 10% instead.


 37.0964, 36.0178,
16.8013


 37.0964, 36.0178,
16.8013


325.0760,
329.0383, 246.0298

 25.4562, 24.4479,
9.9325


 70.0339, 69.0595,
38.7698

 16.5478, 15.6662,
5.2492


 92.0619, 91.3002,
54.7065

 10.0059, 9.2883,
2.3329


 118.2831,
117.8666, 74.5030

 5.4652, 4.9297,
0.7496

 149.0630,
149.1431, 98.5777

 2.5602, 2.2061,
0.0000

184.7668,
185.5142, 127.3491

 0.9257, 0.7233,
0.0000

225.7601,

 0.0000, 0.0000,

227.3641, 161.2360

0.0000

272.4080,
275.0774, 200.6567

■ 37.0964, 36.0178,
16.8013

■ 37.0964, 36.0178,
16.8013

■ 34.8642, 32.8870,
11.9460

■ 39.6689, 39.4578,
22.9157

■ 32.9501, 30.0489,
8.2559

■ 42.5969, 43.2124,
30.3695

■ 31.3330, 27.4925,
5.6273


■ 45.8974, 47.2934,
39.2387


■ 29.9872, 25.2038,
3.9369


■ 49.5857, 51.7101,
49.5932


■ 28.8656, 23.1598,
2.9489


■ 53.6760, 56.4714,
61.4980

 28.8655, 23.1596,
2.9489

 58.1818, 61.5858,
75.0142

 63.1158, 67.0616,
90.1998

 68.1012, 72.7510,
105.0608

 70.5332, 77.6149,
105.8714

Harmonies

Analogous

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



42.2590, 36.0178, 21.6822



37.0964, 36.0178, 16.8013



31.6584, 36.0178, 16.7388

Triad

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



37.0964, 36.0178, 16.8013



25.0538, 36.0178, 47.2836



42.1383, 36.0178, 64.7322

Complementary

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



37.0964, 36.0178, 16.8013



25.1606, 26.3737, 57.1904

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.



36.9453, 36.0178, 76.0605



37.0964, 36.0178, 16.8013



27.2950, 36.0178, 64.3131

Square

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



37.0964, 36.0178, 16.8013



25.0850, 36.0178, 31.7665



31.5225, 36.0178, 75.8895



45.3738, 36.0178, 47.7504

Rectangle

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



37.0964, 36.0178, 16.8013



28.6174, 36.0178, 19.3228



31.5225, 36.0178, 75.8895



40.5409, 36.0178, 69.5059

Sweetspot

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



37.0973, 36.0195, 16.8020



84.3070, 87.4069, 77.9030



32.7504, 22.9296, 28.9056



17.7502, 18.3541, 15.8508



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.



37.0973, 36.0195, 16.8020



61.4102, 57.7631, 20.4831



44.4512, 52.6329, 19.6211



11.1143, 11.5978, 11.2156



18.8586, 15.2343, 1.9466



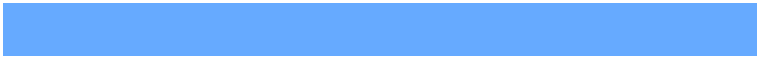
0.9644, 0.8642, 0.1160

Inverse Universe

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



25.1606, 26.3737, 57.1904



37.9028, 38.7915, 100.0976



20.3583, 15.9413, 55.4298



10.4382, 11.0504, 13.5003



8.9803, 7.3545, 35.6906



0.4972, 0.4921, 1.7139

Previews

White Background



This preview shows how the XYZ color 37.0964, 36.0178, 16.8013 looks on a white background.

Color Contrast Check

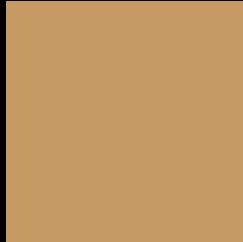
Large Text (above 18pt) WCAG AA × Fail

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 37.0964, 36.0178, 16.8013 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 37.0964, 36.0178, 16.8013

Background



This preview shows how black text looks on a background with the XYZ color 37.0964, 36.0178, 16.8013.



This preview shows how white text looks on a background with the XYZ color 37.0964, 36.0178,

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

37.0964, 36.0178, 16.8013

Protanopia

33.4501, 36.1471, 17.7844

Deuteranopia

36.7384, 36.0793, 16.8321



Tritanopia

41.2339, 36.0326, 37.1295

Trichromacy



Original Color

37.0964, 36.0178, 16.8013

Protanomaly

34.7547, 36.0501, 17.4385

Deuteranomaly

36.9994, 36.2139, 16.8443

Tritanomaly

39.5091, 36.0363, 28.5403

Monochromacy



Original Color

37.0964, 36.0178, 16.8013

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.2699, 35.2874, 29.0497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0964, 36.0178, 16.8013 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(198, 154, 99)` looks like.

```
.text, #text, p{  
    color:rgb(198, 154, 99)  
}
```

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(198, 154, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 154, 99) }
```

Border

The CSS property to change the border of an element to XYZ 37.0964, 36.0178, 16.8013 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(198, 154, 99) }
```


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

```
.border{ border-color:rgb(198, 154, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 154, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 154, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 154, 99);  
box-shadow:4px 4px 4px 4px rgb(198, 154,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0964, 36.0178, 16.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 154, 99) }
```

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

```
.background{ background-color: rgb(198,  
154, 99) }
```

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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