

Converting Colors

XYZ(37.7959, 37.7065, 17.4193)

Have a look what the booklet for
XYZ(37.7959, 37.7065, 17.4193)
contains.

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Color

**XYZ(37.7243, 37.5867,
17.3233)**

Conversions

Conversions Part 1

Format	Color
Hex	C59F64
RGB	197, 159, 100
RGB Percent	77%, 62%, 39%
CMY	0.2275, 0.3764, 0.6078
CMYK	0.00, 0.19, 0.49, 0.23
HSL	36°, 46%, 58%
HSV	36°, 49%, 77%
XYZ	37.7243, 37.5867, 17.3233
YIQ	163.6360, 41.5870, -10.2930

Conversions

Conversions Part 2

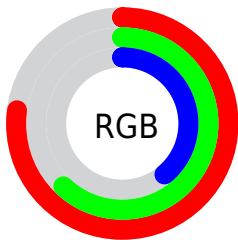
Format	Color
RYB	162, 197, 100
Decimal	12951396
CIELab	67.71, 6.61, 35.96
CIELCh	68, 36.566, 79.586
Yxy	37.5867, 0.4072, 0.4058
Android (android.graphics.Color)	4291141476 (0xFFC59F64)
YUV	163.6360, -31.3725, 29.2602
Hunter-Lab	61.3080, 2.5464, 26.1625

Details

The XYZ color **37.7243, 37.5867, 17.3233** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.4216, 24.9164, 56.3452**, and the grayscale version is **35.2449, 37.0803, 40.3805**.

A 20% lighter version of the original color is **70.9541, 71.6201, 39.7901**, and **16.9446, 16.6269, 5.4482** is the 20% darker color. If you saturate the color by 10%, you get **35.5981, 34.6802, 12.4658**, and if you desaturate by 10%, it is **40.1657, 40.7547, 23.4241**.

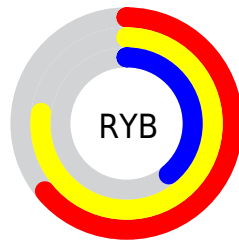
Distribution



Red (77%)

Green (62%)

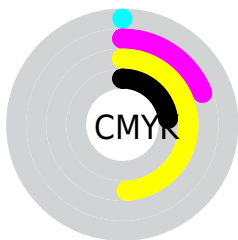
Blue (39%)



Red (64%)

Yellow (77%)

Blue (39%)

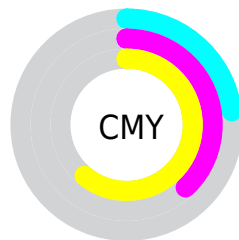


Cyan (0%)

Magenta (19%)

Yellow (49%)

Black (23%)



Cyan (23%)

Magenta (38%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7243, 37.5867, 17.3233 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 37.7243, 37.5867, 17.3233 by changing the saturation by 10% instead.

■ 37.7243, 37.5867,
17.3233

■ 37.7243, 37.5867,
17.3233

327.7372,
335.8437, 249.1353

■ 25.9450, 25.6621,
10.3009

■ 70.9920, 71.4742,
39.6790

■ 16.9150, 16.5710,
5.4907

■ 93.2111, 94.2059,
55.8495

■ 10.2688, 9.9291,
2.4742

■ 119.6409,
121.3087, 75.9063

■ 5.6412, 5.3520,
0.8264

■ 150.6467,
153.1671, 100.2680

■ 2.6667, 2.4552,
0.0000

186.5939,
190.1653, 129.3533

■ 0.9801, 0.8541,
0.0000

227.8478,

■ 0.0000, 0.0000,

232.6879, 163.5805

0.0000

274.7737,
281.1193, 203.3684

■ 37.7243, 37.5867,
17.3233

■ 37.7243, 37.5867,
17.3233

■ 35.5981, 34.6802,
12.4658

■ 40.1657, 40.7547,
23.4241

■ 33.7660, 32.0201,
8.7597

■ 42.9363, 44.1879,
30.8464

■ 32.2082, 29.5974,
6.1042


■ 46.0523, 47.8963,
39.6649


■ 30.9004, 27.3999,
4.3794

■ 49.5281, 51.8881,
49.9478


■ 29.8015, 25.4084,
3.3767


■ 53.3768, 56.1707,
61.7587

 29.7224, 25.2634,
3.3098

 57.6113, 60.7512,
75.1578

 62.2435, 65.6365,
90.2016

 66.8630, 70.6646,
104.7233

 68.9443, 74.8271,
105.4171

Harmonies

Analogous

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



43.2386, 37.5867, 21.5179



37.7243, 37.5867, 17.3233



32.2066, 37.5867, 18.0593

Triad

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



37.7243, 37.5867, 17.3233



26.4387, 37.5867, 52.2629



44.6485, 37.5867, 64.5833

Complementary

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



37.7243, 37.5867, 17.3233



24.4216, 24.9164, 56.3452

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.



39.4908, 37.5867, 77.7802



37.7243, 37.5867, 17.3233



29.1365, 37.5867, 69.4690

Square

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



37.7243, 37.5867, 17.3233



26.0726, 37.5867, 35.5569



33.7977, 37.5867, 79.7723



47.5066, 37.5867, 46.8091

Rectangle

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



37.7243, 37.5867, 17.3233



29.2416, 37.5867, 21.3303



33.7977, 37.5867, 79.7723



43.1023, 37.5867, 69.8807

Sweetspot

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



37.7252, 37.5885, 17.3241



84.8971, 88.5872, 78.0998



32.2288, 22.8432, 27.0604



17.8925, 18.6386, 15.8982



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.



37.7252, 37.5885, 17.3241



63.5221, 61.7814, 21.8207



42.8334, 51.4550, 19.7313



11.1617, 11.6925, 11.2314



19.6331, 16.7834, 2.2047



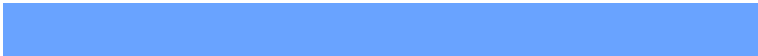
0.9986, 0.9327, 0.1274

Inverse Universe

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



24.4216, 24.9164, 56.3452



37.0058, 36.5618, 99.7145



21.0287, 16.4418, 54.8882



10.3918, 10.9576, 13.4848



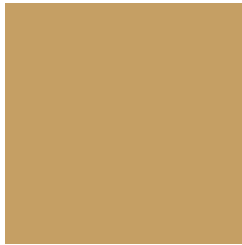
8.4580, 6.3099, 35.5165



0.4707, 0.4392, 1.7051

Previews

White Background



This preview shows how the XYZ color 37.7243, 37.5867, 17.3233 looks on a white background.

Color Contrast Check

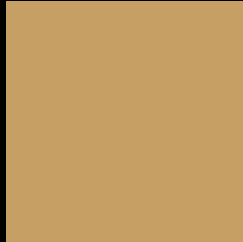
Large Text (above 18pt) WCAG AA × Fail

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 37.7243, 37.5867, 17.3233 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 37.7243, 37.5867, 17.3233

Background



This preview shows how black text looks on a background with the XYZ color 37.7243, 37.5867, 17.3233.



This preview shows how white text looks on a background with the XYZ color 37.7243, 37.5867,

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

37.7243, 37.5867, 17.3233

Protanopia

34.6758, 37.5729, 17.9951

Deuteranopia

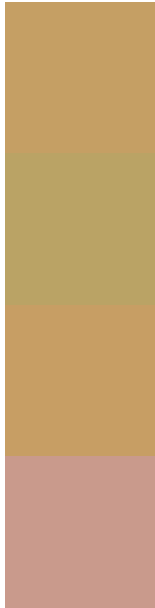
38.3465, 37.6532, 17.3033



Tritanopia

42.3061, 37.4741, 39.6538

Trichromacy



Original Color

37.7243, 37.5867, 17.3233

Protanomaly

35.6959, 37.5731, 17.6829

Deuteranomaly

38.0803, 37.5159, 17.2908

Tritanomaly

40.3766, 37.4222, 29.9061

Monochromacy



Original Color

37.7243, 37.5867, 17.3233

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.6325, 36.9939, 30.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7243, 37.5867, 17.3233 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(197, 159, 100)` looks like.

```
.text, #text, p{  
    color:rgb(197, 159, 100)  
}
```

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(197, 159, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 159, 100) }
```

Border

The CSS property to change the border of an element to XYZ 37.7243, 37.5867, 17.3233 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(197, 159, 100) }
```


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

```
.border{ border-color:rgb(197, 159, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 159, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 159, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 159, 100);  
box-shadow:4px 4px 4px 4px rgb(197, 159,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7243, 37.5867, 17.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 159, 100) }
```

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

```
.background{ background-color: rgb(197,  
159, 100) }
```

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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