

Converting Colors

XYZ(37.0192, 37.3339, 13.7617)

Have a look what the booklet for
XYZ(37.0192, 37.3339, 13.7617)
contains.

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Color

**XYZ(37.0638, 37.3225,
13.8448)**

Conversions

Conversions Part 1

Format	Color
Hex	C59F55
RGB	197, 159, 85
RGB Percent	77%, 62%, 33%
CMY	0.2275, 0.3764, 0.6667
CMYK	0.00, 0.19, 0.57, 0.23
HSL	40°, 49%, 55%
HSV	40°, 57%, 77%
XYZ	37.0638, 37.3225, 13.8448
YIQ	161.9260, 46.4020, -14.9580

Conversions

Conversions Part 2

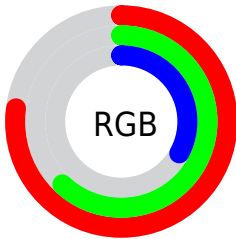
Format	Color
RYB	143, 197, 85
Decimal	12951381
CIELab	67.52, 5.30, 43.43
CIELCh	68, 43.748, 83.042
Yxy	37.3225, 0.4201, 0.4230
Android (android.graphics.Color)	4291141461 (0xFFC59F55)
YUV	161.9260, -37.9245, 30.7599
Hunter-Lab	61.0921, 1.3824, 29.3281

Details

The XYZ color **37.0638, 37.3225, 13.8448** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **20.9070, 20.1276, 55.6062**, and the grayscale version is **34.4656, 36.2605, 39.4877**.

A 20% lighter version of the original color is **69.8019, 71.1593, 33.7231**, and **16.4962, 16.4279, 3.9705** is the 20% darker color. If you saturate the color by 10%, you get **35.2694, 34.8167, 9.9084**, and if you desaturate by 10%, it is **39.1400, 40.0434, 18.9507**.

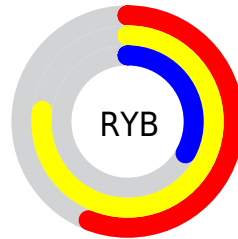
Distribution



Red (77%)

Green (62%)

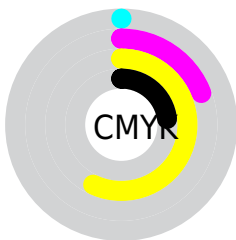
Blue (33%)



Red (56%)

Yellow (77%)

Blue (33%)

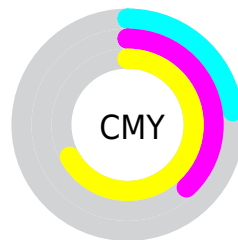


Cyan (0%)

Magenta (19%)

Yellow (57%)

Black (23%)



Cyan (23%)

Magenta (38%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0638, 37.3225, 13.8448 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 37.0638, 37.3225, 13.8448 by changing the saturation by 10% instead.

■ 37.0638, 37.3225,
13.8448

■ 37.0638, 37.3225,
13.8448

324.9374,
334.7047, 227.6579

■ 25.4308, 25.4573,
7.8753

■ 69.9841, 71.0685,
33.5265

■ 16.5287, 16.4181,
3.9286

■ 92.0021, 93.7181,
48.0759

■ 9.9923, 9.8205,
1.5863

■ 118.2125,
120.7313, 66.3222

■ 5.4561, 5.2801,
0.2810

■ 148.9806,
152.4924, 88.6841

■ 2.5547, 2.4125,
0.0000

■ 184.6718,
189.3859, 115.5800

■ 0.9229, 0.8323,
0.0000

225.6514,

■ 0.0000, 0.0000,

231.7962, 147.4287

0.0000

272.2848,
280.1077, 184.6484

■ 37.0638, 37.3225,
13.8448

■ 37.0638, 37.3225,
13.8448

■ 35.2694, 34.8167,
9.9084

■ 39.1400, 40.0434,
18.9507

■ 33.7346, 32.5111,
7.0411

■ 41.5127, 42.9823,
25.3108

■ 32.4375, 30.3970,
5.1291

■ 44.1987, 46.1491,
33.0045

■ 31.3482, 28.4606,
4.0193

■ 47.2125, 49.5508,
42.1041

■ 31.0310, 27.8806,
3.7460

■ 50.5676, 53.1943,
52.6764

■ 54.2767, 57.0862,
64.7841

■ 58.3519, 61.2326,
78.4862

■ 62.8045, 65.6395,
93.8385

■ 66.4472, 69.8331,
104.5847

Harmonies

Analogous

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



43.8316, 37.3225, 17.6446



37.0638, 37.3225, 13.8448



30.6488, 37.3225, 15.1949

Triad

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



37.0638, 37.3225, 13.8448



24.8541, 37.3225, 56.9275



46.8444, 37.3225, 67.2222

Complementary

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



37.0638, 37.3225, 13.8448



20.9070, 20.1276, 55.6062

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.



40.7806, 37.3225, 85.1390



37.0638, 37.3225, 13.8448



28.2525, 37.3225, 78.0017

Square

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



37.0638, 37.3225, 13.8448



24.1225, 37.3225, 36.3140



33.9302, 37.3225, 89.6067



49.9225, 37.3225, 45.2919

Rectangle

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



37.0638, 37.3225, 13.8448



27.3586, 37.3225, 19.1336



33.9302, 37.3225, 89.6067



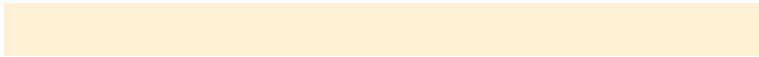
45.0536, 37.3225, 74.1636

Sweetspot

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



37.0647, 37.3243, 13.8455



84.3262, 88.4892, 74.6918



29.9253, 19.8279, 21.3855



17.8042, 18.6676, 15.2352



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.



37.0647, 37.3243, 13.8455



62.5274, 61.4222, 16.4632



40.4749, 50.3155, 16.1734



11.2092, 11.7875, 11.2472



20.4905, 18.4982, 2.4905



1.0354, 1.0061, 0.1396

Inverse Universe

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



20.9070, 20.1276, 55.6062



30.9352, 27.8764, 98.3580



18.7837, 13.3417, 54.4083



10.3459, 10.8658, 13.4695



8.0124, 5.4186, 35.3680



0.4467, 0.3912, 1.6971

Previews

White Background



This preview shows how the XYZ color 37.0638, 37.3225, 13.8448 looks on a white background.

Color Contrast Check

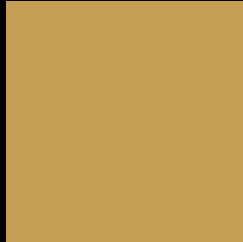
Large Text (above 18pt) WCAG AA × Fail

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 37.0638, 37.3225, 13.8448 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 37.0638, 37.3225, 13.8448

Background



This preview shows how black text looks on a background with the XYZ color 37.0638, 37.3225, 13.8448.



This preview shows how white text looks on a background with the XYZ color 37.0638, 37.3225,

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

37.0638, 37.3225, 13.8448

Protanopia

34.4668, 37.5435, 14.4468

Deuteranopia

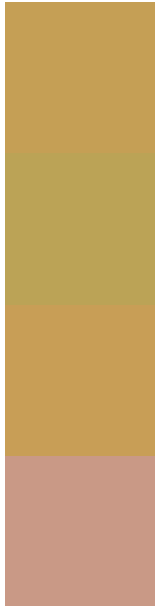
38.0938, 37.3424, 14.0041



Tritanopia

42.3298, 37.2587, 39.1430

Trichromacy



Original Color

37.0638, 37.3225, 13.8448

Protanomaly

35.2704, 37.4311, 14.1701

Deuteranomaly

37.7260, 37.4050, 14.0356

Tritanomaly

39.7817, 36.9212, 27.5840

Monochromacy



Original Color

37.0638, 37.3225, 13.8448

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.7271, 36.3249, 27.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0638, 37.3225, 13.8448 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(197, 159, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 159, 85) }
```

Border

The CSS property to change the border of an element to XYZ 37.0638, 37.3225, 13.8448 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, 85) }
```


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

```
.border{ border-color:rgb(197, 159, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 159, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 159, 85);  
box-shadow:4px 4px 4px 4px rgb(197, 159,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0638, 37.3225, 13.8448 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, 85) }
```

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

```
.background{ background-color: rgb(197,  
159, 85) }
```

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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