

Converting Colors

XYZ(37.9069, 37.1045, 15.1109)

Have a look what the booklet for
XYZ(37.9069, 37.1045, 15.1109)
contains.

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Color

**XYZ(38.0327, 37.2868,
15.0901)**

Conversions

Conversions Part 1

Format	Color
Hex	C99D5B
RGB	201, 157, 91
RGB Percent	79%, 62%, 36%
CMY	0.2118, 0.3843, 0.6431
CMYK	0.00, 0.22, 0.55, 0.21
HSL	36°, 50%, 57%
HSV	36°, 55%, 79%
XYZ	38.0327, 37.2868, 15.0901
YIQ	162.6320, 47.4100, -11.1980

Conversions

Conversions Part 2

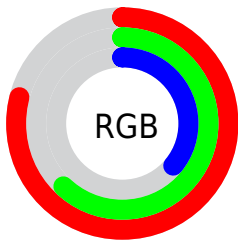
Format	Color
RYB	164, 201, 91
Decimal	13213019
CIELab	67.49, 8.57, 40.45
CIELCh	67, 41.349, 78.038
Yxy	37.2868, 0.4207, 0.4124
Android (android.graphics.Color)	4291403099 (0xFFC99D5B)
YUV	162.6320, -35.3146, 33.6487
Hunter-Lab	61.0629, 4.3176, 28.0921

Details

The XYZ color **38.0327, 37.2868, 15.0901** 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 **23.5206, 23.7682, 58.6061**, and the grayscale version is **34.7856, 36.5971, 39.8543**.

A 20% lighter version of the original color is **69.4922, 69.8317, 35.8028**, and **17.0736, 16.4045, 4.4570** is the 20% darker color. If you saturate the color by 10%, you get **35.9636, 34.3554, 10.6805**, and if you desaturate by 10%, it is **40.4253, 40.4937, 20.7538**.

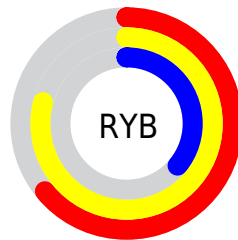
Distribution



Red (79%)

Green (62%)

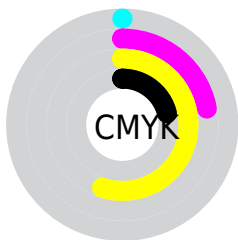
Blue (36%)



Red (64%)

Yellow (79%)

Blue (36%)

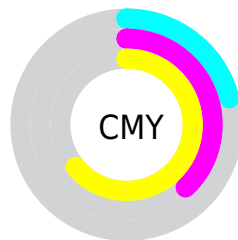


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (21%)



Cyan (21%)


Magenta (38%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0327, 37.2868, 15.0901 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 38.0327, 37.2868, 15.0901 by changing the saturation by 10% instead.


 38.0327, 37.2868,
15.0901


 38.0327, 37.2868,
15.0901

329.0387,
334.5505, 235.5705

 26.1854, 25.4296,
8.7353


 71.4618, 71.0137,
35.7557


 17.0958, 16.3974,
4.4745


 93.7744, 93.6521,
50.9036

 10.3985, 9.8058,
1.8891


 120.3060,
120.6532, 69.8196

 5.7283, 5.2704,
0.4858

 151.4222,
152.4012, 92.9223

 2.7197, 2.4068,
0.0000

187.4882,
189.2805, 120.6302

 1.0073, 0.8294,
0.0000

228.8693,

 0.0000, 0.0000,

231.6756, 153.3618

0.0000

275.9310,
279.9708, 191.5357

■ 38.0327, 37.2868,
15.0901

■ 38.0327, 37.2868,
15.0901

■ 35.9636, 34.3554,
10.6805

■ 40.4253, 40.4937,
20.7538

■ 34.1946, 31.6830,
7.4223

■ 43.1573, 43.9809,
27.7591

■ 32.7029, 29.2593,
5.1998

■ 46.2466, 47.7593,
36.1879

■ 31.4599, 27.0697,
3.8715

■ 49.7088, 51.8379,
46.1150

■ 30.8772, 25.9973,
3.3906

■ 53.5585, 56.2250,
57.6100

■ 57.8096, 60.9284,
70.7378

■ 62.4750, 65.9558,
85.5600

■ 67.5671, 71.3143,
102.1347

■ 70.2556, 75.8740,
105.5500

Harmonies

Analogous

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



44.2516, 37.2868, 19.7452



38.0327, 37.2868, 15.0901



31.7904, 37.2868, 15.5917

Triad

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



38.0327, 37.2868, 15.0901



25.0473, 37.2868, 52.4241



45.3217, 37.2868, 68.7721

Complementary

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



38.0327, 37.2868, 15.0901



23.5206, 23.7682, 58.6061

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.



39.3587, 37.2868, 83.7778



38.0327, 37.2868, 15.0901



27.8834, 37.2868, 72.5656

Square

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



38.0327, 37.2868, 15.0901



24.7823, 37.2868, 33.7708



32.9679, 37.2868, 85.3430



48.7842, 37.2868, 48.2906

Rectangle

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



38.0327, 37.2868, 15.0901



28.4331, 37.2868, 18.8081



32.9679, 37.2868, 85.3430



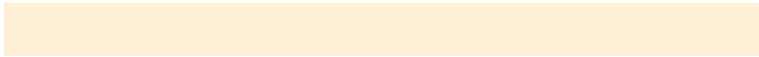
43.5127, 37.2868, 74.8575

Sweetspot

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



38.0336, 37.2886, 15.0908



84.1766, 87.6721, 76.2382



32.2018, 21.6493, 25.4036



17.7453, 18.4477, 15.5299



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.



38.0336, 37.2886, 15.0908



60.8646, 57.7763, 16.8967



44.0101, 53.4756, 17.9002



11.1542, 11.6776, 11.2289



19.5061, 16.5294, 2.1624



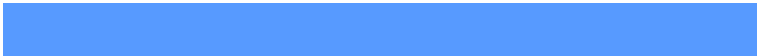
0.9931, 0.9216, 0.1256

Inverse Universe

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



23.5206, 23.7682, 58.6061



33.5102, 32.3472, 99.0852



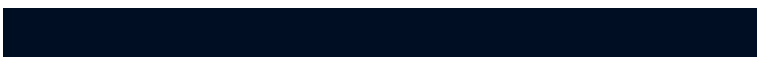
19.7635, 14.5244, 57.0199



10.3990, 10.9721, 13.4872



8.5348, 6.4635, 35.5421



0.4747, 0.4472, 1.7064

Previews

White Background



This preview shows how the XYZ color 38.0327, 37.2868, 15.0901 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 38.0327, 37.2868, 15.0901 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 38.0327, 37.2868, 15.0901

Background



This preview shows how black text looks on a background with the XYZ color 38.0327, 37.2868, 15.0901.



This preview shows how white text looks on a background with the XYZ color 38.0327, 37.2868,

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

38.0327, 37.2868, 15.0901

Protanopia

34.5316, 37.5422, 16.0160

Deuteranopia

38.0327, 37.2868, 15.0901



Tritanopia

42.8247, 37.2984, 38.1999

Trichromacy



Original Color

38.0327, 37.2868, 15.0901

Protanomaly

35.6352, 37.3223, 15.6817

Deuteranomaly

38.0327, 37.2868, 15.0901

Tritanomaly

40.7782, 37.1849, 27.9498

Monochromacy



Original Color

38.0327, 37.2868, 15.0901

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.3917, 36.6430, 28.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0327, 37.2868, 15.0901 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(201, 157, 91)` looks like.

```
.text, #text, p{  
    color:rgb(201, 157, 91)  
}
```

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(201, 157, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 157, 91) }
```

Border

The CSS property to change the border of an element to XYZ 38.0327, 37.2868, 15.0901 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(201, 157, 91) }
```


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

```
.border{ border-color:rgb(201, 157, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 157, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 157, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 157, 91);  
box-shadow:4px 4px 4px 4px rgb(201, 157,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0327, 37.2868, 15.0901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 157, 91) }
```

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

```
.background{ background-color: rgb(201,  
157, 91) }
```

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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