

Converting Colors

XYZ(33.1609, 37.1246, 15.0909)

Have a look what the booklet for
XYZ(33.1609, 37.1246, 15.0909)
contains.

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Color

**XYZ(33.1609, 37.1246,
15.0909)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA65A
RGB	175, 166, 90
RGB Percent	69%, 65%, 35%
CMY	0.3137, 0.3490, 0.6470
CMYK	0.00, 0.05, 0.49, 0.31
HSL	54°, 35%, 52%
HSV	54°, 49%, 69%
XYZ	33.1609, 37.1246, 15.0909
YIQ	160.0270, 29.7600, -21.7280

Conversions

Conversions Part 2

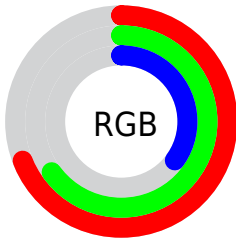
Format	Color
RYB	100, 175, 90
Decimal	11511386
CIELab	67.37, -7.36, 40.24
CIELCh	67, 40.908, 100.370
Yxy	37.1246, 0.3884, 0.4348
Android (android.graphics.Color)	4289701466 (0xFFAFA65A)
YUV	160.0270, -34.5233, 13.1313
Hunter-Lab	60.9300, -9.4795, 27.9663

Details

The XYZ color **33.1609, 37.1246, 15.0909** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.4161, 14.1921, 42.4315**, and the grayscale version is **33.5714, 35.3198, 38.4632**.

A 20% lighter version of the original color is **64.0176, 70.8217, 35.8871**, and **14.3027, 16.2597, 4.4824** is the 20% darker color. If you saturate the color by 10%, you get **32.1681, 36.1940, 11.5079**, and if you desaturate by 10%, it is **34.3357, 38.1385, 19.6007**.

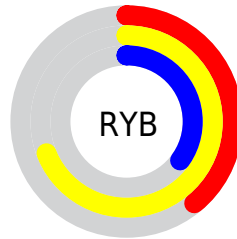
Distribution



Red (69%)

Green (65%)

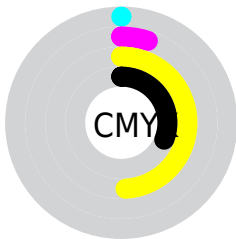
Blue (35%)



Red (39%)

Yellow (69%)

Blue (35%)

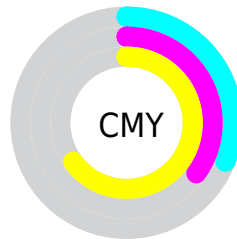


Cyan (0%)

Magenta (5%)

Yellow (49%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1609, 37.1246, 15.0909 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 33.1609, 37.1246, 15.0909 by changing the saturation by 10% instead.

■ 33.1609, 37.1246,
15.0909

■ 33.1609, 37.1246,
15.0909

308.0263,
333.8497, 235.5755

■ 22.4096, 25.3040,
8.7359

■ 63.9797, 70.7644,
35.7571

■ 14.2764, 16.3037,
4.4749

■ 84.7778, 93.3523,
50.9054

■ 8.3962, 9.7393,
1.8893

■ 109.6555,
120.2982, 69.8218

■ 4.4034, 5.2264,
0.4859

■ 138.9783,
151.9863, 92.9250

■ 1.9328, 2.3807,
0.0000

173.1114,
188.8011, 120.6334

■ 0.5958, 0.8159,
0.0000

212.4202,

■ 0.0000, 0.0000,

231.1270, 153.3656

0.0000

257.2700,
279.3484, 191.5401

■ 33.1609, 37.1246,
15.0909

■ 33.1609, 37.1246,
15.0909

■ 32.1681, 36.1940,
11.5079

■ 34.3357, 38.1385,
19.6007

■ 31.3422, 35.3365,
8.7835

■ 35.7011, 39.2350,
25.0943

■ 30.6698, 34.5482,
6.8439

■ 37.2685, 40.4201,
31.6270

■ 30.1344, 33.8223,
5.6020

■ 39.0473, 41.6977,
39.2492

■ 29.7067, 33.1471,
4.9042

■ 41.0467, 43.0714,
48.0081

■ 29.6483, 33.0523,
4.8171

■ 43.2749, 44.5446,
57.9482

■ 45.7401, 46.1204,
69.1114

■ 48.4498, 47.8021,
81.5377

■ 51.4113, 49.5925,
95.2652

Harmonies

Analogous

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



39.4911, 37.1246, 15.8511



33.1609, 37.1246, 15.0909



28.0418, 37.1246, 19.4175

Triad

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



33.1609, 37.1246, 15.0909



26.8779, 37.1246, 67.1502



47.8965, 37.1246, 53.1607

Complementary

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



33.1609, 37.1246, 15.0909



16.4161, 14.1921, 42.4315

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.



43.6808, 37.1246, 72.8299



33.1609, 37.1246, 15.0909



31.3902, 37.1246, 82.4205

Square

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



33.1609, 37.1246, 15.0909



24.7099, 37.1246, 46.9581



37.4996, 37.1246, 84.7614



48.5165, 37.1246, 34.5231

Rectangle

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



33.1609, 37.1246, 15.0909



25.8134, 37.1246, 25.6477



37.4996, 37.1246, 84.7614



46.8313, 37.1246, 59.9987

Sweetspot

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



33.1618, 37.1263, 15.0917



67.7587, 73.1301, 60.9422



23.6318, 17.3452, 14.1384



14.9187, 16.1510, 12.9432



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.1618, 37.1263, 15.0917



57.5421, 64.7532, 20.3685



28.4026, 37.1859, 15.3540



8.5892, 9.1832, 8.5332



21.2589, 23.7234, 3.4586



0.6117, 0.7005, 0.1030

Inverse Universe

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



16.4161, 14.1921, 42.4315



24.1060, 18.9838, 75.0306



19.5033, 14.5883, 42.3452



7.6446, 7.8886, 10.0724



5.7255, 2.5848, 29.2417



0.1805, 0.1144, 0.8206

Previews

White Background



This preview shows how the XYZ color 33.1609, 37.1246, 15.0909 looks on a white background.

Color Contrast Check

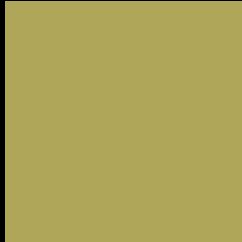
Large Text (above 18pt) WCAG AA × Fail

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 33.1609, 37.1246, 15.0909 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 33.1609, 37.1246, 15.0909

Background



This preview shows how black text looks on a background with the XYZ color 33.1609, 37.1246, 15.0909.



This preview shows how white text looks on a background with the XYZ color 33.1609, 37.1246,

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

33.1609, 37.1246, 15.0909

Protanopia

34.1347, 37.0959, 14.8123

Deuteranopia

37.6397, 36.8290, 15.2501



Tritanopia

38.7468, 37.0458, 42.6445

Trichromacy



Original Color

33.1609, 37.1246, 15.0909

Protanomaly

33.8487, 37.2152, 14.8504

Deuteranomaly

35.9450, 36.9733, 15.1396

Tritanomaly

36.1268, 36.7384, 29.9981

Monochromacy



Original Color

33.1609, 37.1246, 15.0909

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8106, 35.5893, 28.0618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1609, 37.1246, 15.0909 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(175, 166, 90)` looks like.

```
.text, #text, p{  
    color:rgb(175, 166, 90)  
}
```

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(175, 166, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 166, 90) }
```

Border

The CSS property to change the border of an element to XYZ 33.1609, 37.1246, 15.0909 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(175, 166, 90) }
```


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

```
.border{ border-color:rgb(175, 166, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 166, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 166, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 166, 90);  
box-shadow:4px 4px 4px 4px rgb(175, 166,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1609, 37.1246, 15.0909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 166, 90) }
```

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

```
.background{ background-color: rgb(175,  
166, 90) }
```

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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