

Converting Colors

XYZ(33.8487, 37.2152, 14.8504)

Have a look what the booklet for
XYZ(33.8487, 37.2152, 14.8504)
contains.

XYZ(33.8487, 37.2152, 14.8504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8487, 37.2152,
14.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A559
RGB	179, 165, 89
RGB Percent	70%, 65%, 35%
CMY	0.2980, 0.3529, 0.6510
CMYK	0.00, 0.08, 0.50, 0.30
HSL	51°, 37%, 53%
HSV	51°, 50%, 70%
XYZ	33.8487, 37.2152, 14.8504
YIQ	160.5220, 32.7400, -20.6680

Conversions

Conversions Part 2

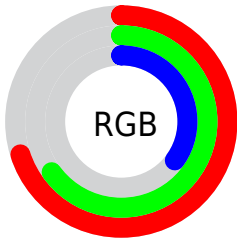
Format	Color
RYB	106, 179, 89
Decimal	11773273
CIELab	67.44, -5.24, 40.91
CIELCh	67, 41.244, 97.297
Yxy	37.2152, 0.3940, 0.4332
Android (android.graphics.Color)	4289963353 (0xFFB3A559)
YUV	160.5220, -35.2603, 16.2052
Hunter-Lab	61.0043, -7.7153, 28.2699

Details

The XYZ color **33.8487, 37.2152, 14.8504** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.1067, 15.0786, 44.6566**, and the grayscale version is **33.8029, 35.5633, 38.7284**.

A 20% lighter version of the original color is **64.9930, 70.9424, 35.4670**, and **14.6003, 16.2485, 4.3742** is the 20% darker color. If you saturate the color by 10%, you get **32.6903, 35.9586, 11.1962**, and if you desaturate by 10%, it is **35.2026, 38.5703, 19.4723**.

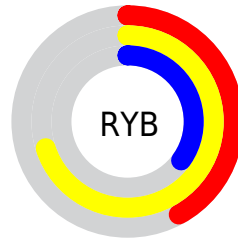
Distribution



Red (70%)

Green (65%)

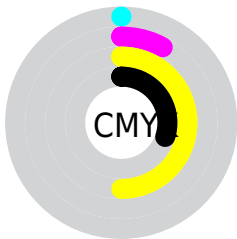
Blue (35%)



Red (42%)

Yellow (70%)

Blue (35%)

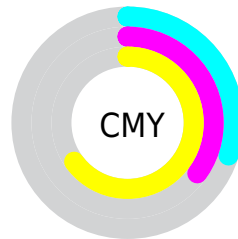


Cyan (0%)

Magenta (8%)

Yellow (50%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8487, 37.2152, 14.8504 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 33.8487, 37.2152, 14.8504 by changing the saturation by 10% instead.

■ 33.8487, 37.2152,
14.8504

■ 33.8487, 37.2152,
14.8504

311.0547,
334.2413, 234.0684

■ 22.9397, 25.3742,
8.5690

■ 65.0442, 70.9036,
35.3291

■ 14.6695, 16.3560,
4.3682

■ 86.0614, 93.5198,
50.3635

■ 8.6725, 9.7764,
1.8294

■ 111.1787,
120.4965, 69.1526

■ 4.5836, 5.2510,
0.4473

■ 140.7615,
152.2181, 92.1151

■ 2.0373, 2.3953,
0.0000

175.1752,
189.0690, 119.6693

■ 0.6548, 0.8235,
0.0000

214.7850,

■ 0.0000, 0.0000,

231.4335, 152.2339

0.0000

259.9564,
279.6962, 190.2275

■ 33.8487, 37.2152,
14.8504

■ 33.8487, 37.2152,
14.8504

■ 32.6903, 35.9586,
11.1962

■ 35.2026, 38.5703,
19.4723

■ 31.7111, 34.7896,
8.4363

■ 36.7615, 40.0236,
25.1236

■ 30.8968, 33.7039,
6.4908

■ 38.5375, 41.5814,
31.8633

■ 30.2289, 32.6939,
5.2643

■ 40.5409, 43.2480,
39.7454

■ 29.6834, 31.7698,
4.5677

■ 42.7813, 45.0273,
48.8205

■ 45.2678, 46.9231,
59.1359

■ 48.0089, 48.9389,
70.7365

■ 51.0129, 51.0780,
83.6647

■ 54.2874, 53.3436,
97.9614

Harmonies

Analogous

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



40.2796, 37.2152, 16.1235



33.8487, 37.2152, 14.8504



28.4986, 37.2152, 18.6388

Triad

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



33.8487, 37.2152, 14.8504



26.5476, 37.2152, 65.5204



47.8278, 37.2152, 55.5155

Complementary

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



33.8487, 37.2152, 14.8504



17.1067, 15.0786, 44.6566

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.



43.2701, 37.2152, 75.0496



33.8487, 37.2152, 14.8504



30.8800, 37.2152, 81.9254

Square

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



33.8487, 37.2152, 14.8504



24.6223, 37.2152, 45.1108



36.9402, 37.2152, 85.8530



48.8677, 37.2152, 36.2537

Rectangle

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



33.8487, 37.2152, 14.8504



26.0882, 37.2152, 24.4573



36.9402, 37.2152, 85.8530



46.6321, 37.2152, 62.4182

Sweetspot

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



33.8496, 37.2169, 14.8512



70.7708, 75.9464, 63.8982



24.6617, 17.7283, 15.2192



15.5156, 16.6891, 13.5148



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.8496, 37.2169, 14.8512



58.4080, 64.2417, 19.6356



30.3179, 39.3510, 15.4492



9.0823, 9.6771, 9.0417



21.0145, 22.5276, 3.2407



0.6914, 0.7693, 0.1120

Inverse Universe

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



17.1067, 15.0786, 44.6566



25.1392, 20.2880, 78.9722



19.3171, 14.3218, 44.3940



8.1452, 8.4365, 10.7054



6.0721, 2.9446, 30.3853



0.2240, 0.1584, 0.9670

Previews

White Background



This preview shows how the XYZ color 33.8487, 37.2152, 14.8504 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 33.8487, 37.2152, 14.8504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

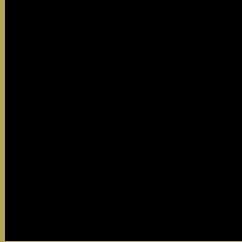
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8487, 37.2152, 14.8504

Background



This preview shows how black text looks on a background with the XYZ color 33.8487, 37.2152, 14.8504.



This preview shows how white text looks on a background with the XYZ color 33.8487, 37.2152,

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

33.8487, 37.2152, 14.8504

Protanopia

34.1347, 37.0959, 14.8123

Deuteranopia

38.0327, 37.2868, 15.0901



Tritanopia

39.4499, 37.1689, 42.1409

Trichromacy



Original Color

33.8487, 37.2152, 14.8504

Protanomaly

33.9010, 36.9755, 14.8014

Deuteranomaly

36.4086, 37.2173, 14.9376

Tritanomaly

36.8255, 36.8507, 29.5981

Monochromacy



Original Color

33.8487, 37.2152, 14.8504

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4420, 35.9148, 28.0913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8487, 37.2152, 14.8504 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(179, 165, 89)` looks like.

```
.text, #text, p{  
    color:rgb(179, 165, 89)  
}
```

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(179, 165, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 165, 89) }
```

Border

The CSS property to change the border of an element to XYZ 33.8487, 37.2152, 14.8504 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(179, 165, 89) }
```


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

```
.border{ border-color:rgb(179, 165, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 165, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 165, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 165, 89);  
box-shadow:4px 4px 4px 4px rgb(179, 165,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8487, 37.2152, 14.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 165, 89) }
```

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

```
.background{ background-color: rgb(179,  
165, 89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor