

Converting Colors

XYZ(33.0195, 36.5259, 14.0375)

Have a look what the booklet for
XYZ(33.0195, 36.5259, 14.0375)
contains.

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Color

**XYZ(33.0866, 36.5699,
14.1189)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A456
RGB	177, 164, 86
RGB Percent	69%, 64%, 34%
CMY	0.3059, 0.3568, 0.6627
CMYK	0.00, 0.07, 0.51, 0.31
HSL	51°, 37%, 52%
HSV	51°, 51%, 69%
XYZ	33.0866, 36.5699, 14.1189
YIQ	158.9950, 32.7860, -21.5020

Conversions

Conversions Part 2

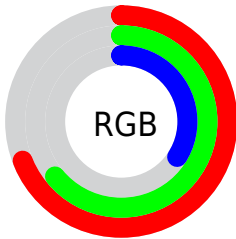
Format	Color
RYB	101, 177, 86
Decimal	11641942
CIELab	66.95, -5.83, 41.79
CIElCh	67, 42.197, 97.938
Yxy	36.5699, 0.3949, 0.4365
Android (android.graphics.Color)	4289832022 (0xFFB1A456)
YUV	158.9950, -35.9865, 15.7904
Hunter-Lab	60.4731, -8.1652, 28.4884

Details

The XYZ color **33.0866, 36.5699, 14.1189** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.2353, 14.0759, 43.4560**, and the grayscale version is **33.1020, 34.8259, 37.9254**.

A 20% lighter version of the original color is **63.8506, 69.9904, 34.1890**, and **14.2651, 16.0814, 4.1024** is the 20% darker color. If you saturate the color by 10%, you get **32.0124, 35.4249, 10.6678**, and if you desaturate by 10%, it is **34.3481, 37.8069, 18.5046**.

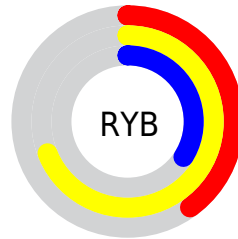
Distribution



Red (69%)

Green (64%)

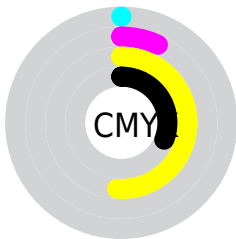
Blue (34%)



Red (40%)

Yellow (69%)

Blue (34%)

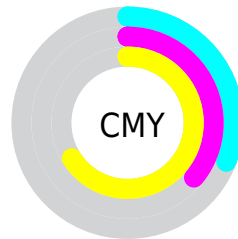


Cyan (0%)

Magenta (7%)

Yellow (51%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0866, 36.5699, 14.1189 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 33.0866, 36.5699, 14.1189 by changing the saturation by 10% instead.

■ 33.0866, 36.5699,
14.1189

■ 33.0866, 36.5699,
14.1189

307.6979,
331.4447, 229.4234

■ 22.3523, 24.8747,
8.0637

■ 63.8645, 69.9108,
34.0200

■ 14.2341, 15.9837,
4.0474

■ 84.6388, 92.3252,
48.7030

■ 8.3664, 9.5126,
1.6514

■ 109.4906,
119.0815, 67.0990

■ 4.3841, 5.0770,
0.3271

■ 138.7851,
150.5641, 89.6266

■ 1.9216, 2.2925,
0.0000

■ 172.8877,
187.1573, 116.7043

■ 0.5894, 0.7698,
0.0000

212.1638,

■ 0.0000, 0.0000,

229.2455, 148.7506

0.0000

256.9787,
277.2132, 186.1841

■ 33.0866, 36.5699,
14.1189

■ 33.0866, 36.5699,
14.1189

■ 32.0124, 35.4249,
10.6678

■ 34.3481, 37.8069,
18.5046

■ 31.1096, 34.3615,
8.0789

■ 35.8064, 39.1357,
23.8854

■ 30.3639, 33.3751,
6.2734

■ 37.4732, 40.5625,
30.3194

■ 29.7572, 32.4584,
5.1563

■ 39.3586, 42.0913,
37.8597

■ 29.3147, 31.7138,
4.5763

■ 41.4721, 43.7261,
46.5555

■ 43.8225, 45.4704,
56.4534

■ 46.4182, 47.3277,
67.5973

■ 49.2672, 49.3013,
80.0286

■ 52.3770, 51.3942,
93.7873

Harmonies

Analogous

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



39.5887, 36.5699, 15.2725



33.0866, 36.5699, 14.1189



27.7284, 36.5699, 17.9888

Triad

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



33.0866, 36.5699, 14.1189



25.9285, 36.5699, 65.6546



47.4564, 36.5699, 54.5772

Complementary

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



33.0866, 36.5699, 14.1189



16.2353, 14.0759, 43.4560

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.



42.8867, 36.5699, 74.5833



33.0866, 36.5699, 14.1189



30.3383, 36.5699, 82.2265

Square

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



33.0866, 36.5699, 14.1189



23.9396, 36.5699, 44.8868



36.4860, 36.5699, 85.9174



48.4268, 36.5699, 35.1467

Rectangle

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



33.0866, 36.5699, 14.1189



25.3378, 36.5699, 23.8871



36.4860, 36.5699, 85.9174



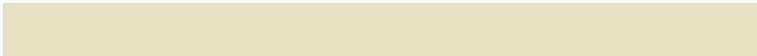
46.2655, 36.5699, 61.6097

Sweetspot

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



33.0875, 36.5716, 14.1196



69.1446, 74.3097, 62.3731



23.7427, 16.9163, 13.9822



14.8342, 15.9821, 12.9150



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.



33.0875, 36.5716, 14.1196



57.0465, 63.1214, 18.2389



29.1054, 38.1495, 14.6341



9.0916, 9.6957, 9.0448



21.2735, 23.0455, 3.3270



0.6976, 0.7815, 0.1141

Inverse Universe

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



16.2353, 14.0759, 43.4560



23.4760, 18.3476, 76.7994



18.7147, 13.6713, 43.2472



8.1366, 8.4195, 10.7026



6.0338, 2.8680, 30.3725



0.2204, 0.1514, 0.9658

Previews

White Background



This preview shows how the XYZ color 33.0866, 36.5699, 14.1189 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 33.0866, 36.5699, 14.1189 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 33.0866, 36.5699, 14.1189

Background



This preview shows how black text looks on a background with the XYZ color 33.0866, 36.5699, 14.1189.



This preview shows how white text looks on a background with the XYZ color 33.0866, 36.5699,

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

33.0866, 36.5699, 14.1189

Protanopia

33.5993, 36.5696, 14.0919

Deuteranopia

37.0360, 36.2894, 14.2851



Tritanopia

38.7040, 36.5470, 41.5736

Trichromacy



Original Color

33.0866, 36.5699, 14.1189

Protanomaly

33.3673, 36.4500, 14.0810

Deuteranomaly

35.4330, 36.2182, 14.1401

Tritanomaly

36.1057, 36.2338, 29.1356

Monochromacy



Original Color

33.0866, 36.5699, 14.1189

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6356, 35.2627, 26.9161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0866, 36.5699, 14.1189 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(177, 164, 86)` looks like.

```
.text, #text, p{  
    color:rgb(177, 164, 86)  
}
```

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(177, 164, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 164, 86) }
```

Border

The CSS property to change the border of an element to XYZ 33.0866, 36.5699, 14.1189 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(177, 164, 86) }
```


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

```
.border{ border-color:rgb(177, 164, 86) }
```

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

Here you see how a box with a 4 pixel rgb(177, 164, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 164, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 164, 86);  
box-shadow:4px 4px 4px 4px rgb(177, 164,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0866, 36.5699, 14.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 164, 86) }
```

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

```
.background{ background-color: rgb(177,  
164, 86) }
```

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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