

Converting Colors

XYZ(33.1259, 36.0438, 14.8841)

Have a look what the booklet for
XYZ(33.1259, 36.0438, 14.8841)
contains.

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Color

**XYZ(33.1259, 36.0438,
14.8841)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A25A
RGB	178, 162, 90
RGB Percent	70%, 64%, 35%
CMY	0.3020, 0.3647, 0.6471
CMYK	0.00, 0.09, 0.49, 0.30
HSL	49°, 36%, 53%
HSV	49°, 49%, 70%
XYZ	33.1259, 36.0438, 14.8841
YIQ	158.5760, 32.6480, -19.0000

Conversions

Conversions Part 2

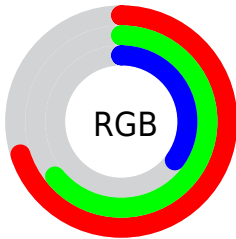
Format	Color
RYB	110, 178, 90
Decimal	11706970
CIELab	66.55, -3.97, 39.31
CIELCh	67, 39.506, 95.761
Yxy	36.0438, 0.3941, 0.4288
Android (android.graphics.Color)	4289897050 (0xFFB2A25A)
YUV	158.5760, -33.8080, 17.0348
Hunter-Lab	60.0365, -6.5742, 27.3265

Details

The XYZ color **33.1259, 36.0438, 14.8841** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4063, 15.6956, 44.2316**, and the grayscale version is **32.9007, 34.6141, 37.6948**.

A 20% lighter version of the original color is **63.9563, 69.2409, 35.5852**, and **14.2531, 15.7399, 4.3847** is the 20% darker color. If you saturate the color by 10%, you get **31.8949, 34.6524, 11.1731**, and if you desaturate by 10%, it is **34.5548, 37.5404, 19.5570**.

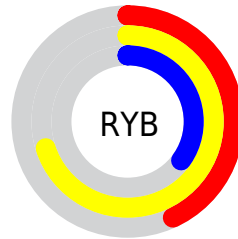
Distribution



Red (70%)

Green (64%)

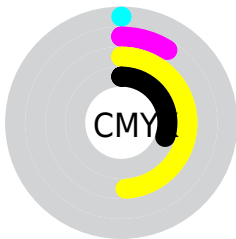
Blue (35%)



Red (43%)

Yellow (70%)

Blue (35%)

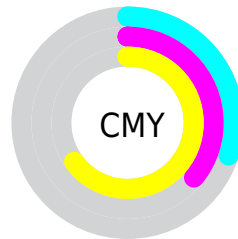


Cyan (0%)

Magenta (9%)

Yellow (49%)

Black (30%)



Cyan (30%)


Magenta (36%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1259, 36.0438, 14.8841 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 33.1259, 36.0438, 14.8841 by changing the saturation by 10% instead.


 33.1259, 36.0438,
14.8841


 33.1259, 36.0438,
14.8841


307.8716,
329.1519, 234.2802

 22.3826, 24.4680,
8.5924


 63.9254, 69.0997,
35.3892

 14.2565, 15.6812,
4.3831


 84.7123, 91.3485,
50.4395

 8.3822, 9.2988,
1.8378


 109.5778,
117.9239, 69.2466

 4.3943, 4.9366,
0.4527

 138.8873,
149.2102, 92.2288

 1.9275, 2.2101,
0.0000

173.0060,
185.5917, 119.8047

 0.5928, 0.7255,
0.0000

212.2994,

 0.0000, 0.0000,

227.4529, 152.3929

0.0000

257.1328,
275.1782, 190.4119

■ 33.1259, 36.0438,
14.8841

■ 33.1259, 36.0438,
14.8841

■ 31.8949, 34.6524,
11.1731

■ 34.5548, 37.5404,
19.5570

■ 30.8458, 33.3558,
8.3523

■ 36.1909, 39.1423,
25.2521

■ 29.9645, 32.1494,
6.3439


■ 38.0461, 40.8555,
32.0272


■ 29.2333, 31.0261,
5.0551


■ 40.1305, 42.6845,
39.9355


■ 28.6178, 29.9717,
4.3056


■ 42.4536, 44.6330,
49.0264

 28.5843, 29.9135,
4.2673

 45.0243, 46.7049,
59.3464

 47.8512, 48.9037,
70.9395

 50.9421, 51.2328,
83.8477

 54.3049, 53.6955,
98.1107

Harmonies

Analogous

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



39.1599, 36.0438, 16.3529



33.1259, 36.0438, 14.8841



28.0135, 36.0438, 18.2520

Triad

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



33.1259, 36.0438, 14.8841



25.8085, 36.0438, 61.6086



45.7520, 36.0438, 54.2486

Complementary

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



33.1259, 36.0438, 14.8841



17.4063, 15.6956, 44.2316

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.



41.3689, 36.0438, 72.1843



33.1259, 36.0438, 14.8841



29.7843, 36.0438, 77.2214

Square

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



33.1259, 36.0438, 14.8841



24.1135, 36.0438, 42.6181



35.4167, 36.0438, 81.5650



46.9117, 36.0438, 36.0559

Rectangle

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



33.1259, 36.0438, 14.8841



25.6648, 36.0438, 23.5808



35.4167, 36.0438, 81.5650



44.5839, 36.0438, 60.6532

Sweetspot

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



33.1268, 36.0455, 14.8848



70.5219, 75.4487, 63.8153



24.6250, 17.8211, 15.8144



15.4532, 16.5643, 13.4940



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.



33.1268, 36.0455, 14.8848



57.7195, 62.6982, 19.9198



30.3683, 39.0757, 15.6151



9.0631, 9.6387, 9.0353



20.4945, 21.4875, 3.0673



0.6790, 0.7445, 0.1079

Inverse Universe

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



17.4063, 15.6956, 44.2316



26.0262, 21.7087, 79.1997



19.1455, 14.3694, 43.8839



8.1628, 8.4718, 10.7113



6.1605, 3.1215, 30.4148



0.2312, 0.1730, 0.9694

Previews

White Background



This preview shows how the XYZ color 33.1259, 36.0438, 14.8841 looks on a white background.

Color Contrast Check

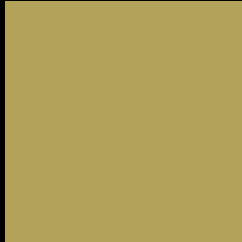
Large Text (above 18pt) WCAG AA × Fail

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 33.1259, 36.0438, 14.8841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

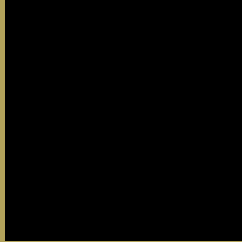
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1259, 36.0438, 14.8841

Background



This preview shows how black text looks on a background with the XYZ color 33.1259, 36.0438, 14.8841.



This preview shows how white text looks on a background with the XYZ color 33.1259, 36.0438,

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

33.1259, 36.0438, 14.8841

Protanopia

33.1259, 36.0438, 14.8841

Deuteranopia

36.5133, 35.7542, 15.1020



Tritanopia

38.1903, 35.8134, 40.4971

Trichromacy



Original Color

33.1259, 36.0438, 14.8841

Protanomaly

33.1259, 36.0438, 14.8841

Deuteranomaly

35.1805, 35.8164, 14.9566

Tritanomaly

35.7673, 35.5570, 29.0228

Monochromacy



Original Color

33.1259, 36.0438, 14.8841

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.5998, 34.9698, 27.5859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1259, 36.0438, 14.8841 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(178, 162, 90)` looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 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(178, 162, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 90) }
```

Border

The CSS property to change the border of an element to XYZ 33.1259, 36.0438, 14.8841 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(178, 162, 90) }
```


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

```
.border{ border-color:rgb(178, 162, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 90);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1259, 36.0438, 14.8841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 90) }
```

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

```
.background{ background-color: rgb(178,  
162, 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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