

Converting Colors

XYZ(33.1033, 35.7873, 17.0835)

Have a look what the booklet for
XYZ(33.1033, 35.7873, 17.0835)
contains.

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Color

**XYZ(33.1285, 35.7377,
16.9564)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A163
RGB	177, 161, 99
RGB Percent	69%, 63%, 39%
CMY	0.3059, 0.3686, 0.6118
CMYK	0.00, 0.09, 0.44, 0.31
HSL	48°, 33%, 54%
HSV	48°, 44%, 69%
XYZ	33.1285, 35.7377, 16.9564
YIQ	158.7160, 29.4380, -15.8900

Conversions

Conversions Part 2

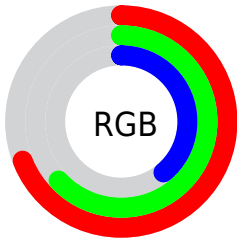
Format	Color
RYB	119, 177, 99
Decimal	11641187
CIELab	66.32, -2.95, 34.33
CIELCh	66, 34.453, 94.905
Yxy	35.7377, 0.3860, 0.4164
Android (android.graphics.Color)	4289831267 (0xFFB1A163)
YUV	158.7160, -29.4400, 16.0351
Hunter-Lab	59.7810, -5.6985, 25.0296

Details

The XYZ color **33.1285, 35.7377, 16.9564** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.2120, 18.0879, 44.0738**, and the grayscale version is **32.9464, 34.6622, 37.7471**.

A 20% lighter version of the original color is **64.0735, 68.8385, 39.1883**, and **14.3419, 15.6018, 5.3875** is the 20% darker color. If you saturate the color by 10%, you get **31.7485, 34.1867, 12.7694**, and if you desaturate by 10%, it is **34.7141, 37.4030, 22.1277**.

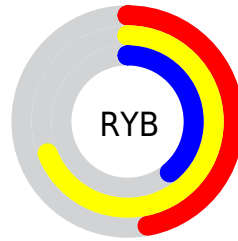
Distribution



Red (69%)

Green (63%)

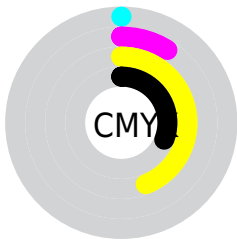
Blue (39%)



Red (47%)

Yellow (69%)

Blue (39%)

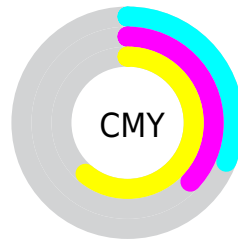


Cyan (0%)

Magenta (9%)

Yellow (44%)

Black (31%)



Cyan (31%)

Magenta (37%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1285, 35.7377, 16.9564 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 33.1285, 35.7377, 16.9564 by changing the saturation by 10% instead.

■ 33.1285, 35.7377,
16.9564

■ 33.1285, 35.7377,
16.9564

307.8831,
327.8126, 246.9564

■ 22.3846, 24.2317,
10.0418

■ 63.9294, 68.6270,
39.0404

■ 14.2580, 15.5056,
5.3207

■ 84.7172, 90.7791,
55.0469

■ 8.3832, 9.1750,
2.3746

■ 109.5836,
117.2487, 74.9211

■ 4.3950, 4.8555,
0.7726

■ 138.8940,
148.4201, 99.0815

■ 1.9279, 2.1627,
0.0000

173.0139,
184.6779, 127.9467

■ 0.5930, 0.6996,
0.0000

212.3084,

■ 0.0000, 0.0000,

226.4063, 161.9352

0.0000

257.1430,
273.9897, 201.4656

■ 33.1285, 35.7377,
16.9564

■ 33.1285, 35.7377,
16.9564

■ 31.7485, 34.1867,
12.7694

■ 34.7141, 37.4030,
22.1277

■ 30.5592, 32.7399,
9.5001

■ 36.5141, 39.1825,
28.3400

■ 29.5474, 31.3931,
7.0768

■ 38.5397, 41.0822,
35.6479

■ 28.6974, 30.1396,
5.4163

■ 40.8006, 43.1062,
44.1019

■ 27.9898, 28.9717,
4.4186

■ 43.3059, 45.2584,
53.7492

■ 27.6124, 28.3090,
4.0089

■ 46.0642, 47.5424,
64.6343

■ 49.0837, 49.9618,
76.7993

■ 52.3721, 52.5199,
90.2847

■ 55.4006, 55.0053,
102.3049

Harmonies

Analogous

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



38.3393, 35.7377, 18.4775



33.1285, 35.7377, 16.9564



28.6144, 35.7377, 19.9920

Triad

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



33.1285, 35.7377, 16.9564



26.4820, 35.7377, 57.4846



43.7395, 35.7377, 52.2105

Complementary

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



33.1285, 35.7377, 16.9564



19.2120, 18.0879, 44.0738

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.



39.9501, 35.7377, 67.0856



33.1285, 35.7377, 16.9564



29.9416, 35.7377, 70.6304

Square

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



33.1285, 35.7377, 16.9564



25.0321, 35.7377, 41.3861



34.8208, 35.7377, 74.5256



44.8106, 35.7377, 36.5390

Rectangle

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



33.1285, 35.7377, 16.9564



26.4978, 35.7377, 24.7881



34.8208, 35.7377, 74.5256



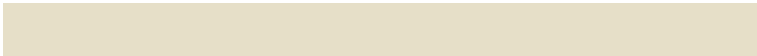
42.7238, 35.7377, 57.5841

Sweetspot

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



33.1294, 35.7394, 16.9571



69.3488, 73.8744, 65.0426



25.7402, 19.5298, 18.9059



14.8495, 15.8452, 13.4365



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.



33.1294, 35.7394, 16.9571



56.8977, 61.2706, 22.9773



31.4729, 39.3039, 17.7325



9.0461, 9.6048, 9.0297



20.0503, 20.5991, 2.9193



0.6683, 0.7230, 0.1043

Inverse Universe

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



19.2120, 18.0879, 44.0738



28.7422, 25.5877, 77.9193



20.2972, 16.1706, 43.6465



8.1785, 8.5032, 10.7166



6.2496, 3.2997, 30.4445



0.2377, 0.1859, 0.9716

Previews

White Background



This preview shows how the XYZ color 33.1285, 35.7377, 16.9564 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 33.1285, 35.7377, 16.9564 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 33.1285, 35.7377, 16.9564

Background



This preview shows how black text looks on a background with the XYZ color 33.1285, 35.7377, 16.9564.



This preview shows how white text looks on a background with the XYZ color 33.1285, 35.7377,

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

33.1285, 35.7377, 16.9564

Protanopia

32.9015, 35.6207, 16.9458

Deuteranopia

36.4102, 35.6529, 17.2746



Tritanopia

37.9499, 35.6894, 40.4859

Trichromacy



Original Color

33.1285, 35.7377, 16.9564

Protanomaly

32.9015, 35.6207, 16.9458

Deuteranomaly

35.0963, 35.7254, 17.1025

Tritanomaly

35.7522, 35.5238, 30.1717

Monochromacy



Original Color

33.1285, 35.7377, 16.9564

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8120, 35.0547, 28.7038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1285, 35.7377, 16.9564 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, 161, 99)` looks like.

```
.text, #text, p{  
    color:rgb(177, 161, 99)  
}
```

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, 161, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 161, 99) }
```

Border

The CSS property to change the border of an element to XYZ 33.1285, 35.7377, 16.9564 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, 161, 99) }
```


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

```
.border{ border-color:rgb(177, 161, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 161, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 161, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 161, 99);  
box-shadow:4px 4px 4px 4px rgb(177, 161,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1285, 35.7377, 16.9564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 161, 99) }
```

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

```
.background{ background-color: rgb(177,  
161, 99) }
```

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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