

Converting Colors

XYZ(31.5083, 33.7112, 16.6101)

Have a look what the booklet for
XYZ(31.5083, 33.7112, 16.6101)
contains.

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Color

**XYZ(31.3742, 33.5620,
16.6289)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9C63
RGB	173, 156, 99
RGB Percent	68%, 61%, 39%
CMY	0.3216, 0.3882, 0.6118
CMYK	0.00, 0.10, 0.43, 0.32
HSL	46°, 31%, 53%
HSV	46°, 43%, 68%
XYZ	31.3742, 33.5620, 16.6289
YIQ	154.5850, 28.4290, -14.1230

Conversions

Conversions Part 2

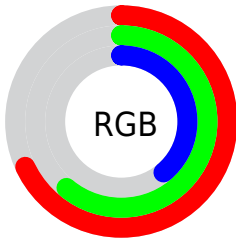
Format	Color
RYB	121, 173, 99
Decimal	11377763
CIELab	64.61, -1.92, 32.08
CIElCh	65, 32.141, 93.422
Yxy	33.5620, 0.3847, 0.4115
Android (android.graphics.Color)	4289567843 (0xFFAD9C63)
YUV	154.5850, -27.4034, 16.1500
Hunter-Lab	57.9327, -4.7133, 23.5344

Details

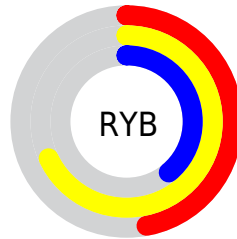
The XYZ color **31.3742, 33.5620, 16.6289** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.9337, 18.1601, 42.0425**, and the grayscale version is **31.0814, 32.7001, 35.6104**.

A 20% lighter version of the original color is **61.2656, 65.1505, 38.6244**, and **13.2569, 14.2641, 5.1865** is the 20% darker color. If you saturate the color by 10%, you get **29.9785, 31.9555, 12.5112**, and if you desaturate by 10%, it is **32.9705, 35.2862, 21.6884**.

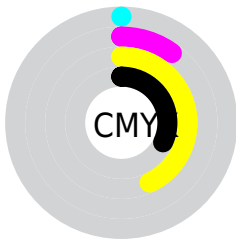
Distribution



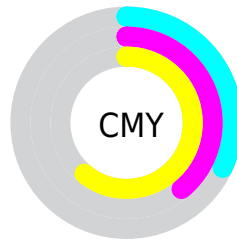
- Red (68%)
- Green (61%)
- Blue (39%)



- Red (47%)
- Yellow (68%)
- Blue (39%)



- Cyan (0%)
- Magenta (10%)
- Yellow (43%)
- Black (32%)



- Cyan (32%)
- Magenta (39%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3742, 33.5620, 16.6289 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 31.3742, 33.5620, 16.6289 by changing the saturation by 10% instead.

■ 31.3742, 33.5620,
16.6289

■ 31.3742, 33.5620,
16.6289

300.0548,
318.1746, 244.9958

■ 21.0372, 22.5573,
9.8111

■ 61.2006, 65.2520,
38.4685

■ 13.2638, 14.2670,
5.1699

■ 81.4206, 86.7060,
54.3274

■ 7.6887, 8.3066,
2.2868

■ 105.6658,
112.4120, 74.0370

■ 3.9465, 4.2917,
0.7238

■ 134.3013,
142.7543, 98.0160

■ 1.6719, 1.8381,
0.0000

167.6926,
178.1173, 126.6828

■ 0.4386, 0.5107,
0.0000

206.2051,

■ 0.0000, 0.0000,

218.8855, 160.4560

0.0000

250.2040,
265.4431, 199.7542

■ 31.3742, 33.5620,
16.6289

■ 31.3742, 33.5620,
16.6289

■ 29.9785, 31.9555,
12.5112

■ 32.9705, 35.2862,
21.6884

■ 28.7694, 30.4569,
9.2731

■ 34.7757, 37.1279,
27.7424

■ 27.7348, 29.0624,
6.8479

■ 36.8003, 39.0929,
34.8424

■ 26.8597, 27.7656,
5.1587

■ 39.0534, 41.1852,
43.0356

■ 26.1266, 26.5591,
4.1135

■ 41.5438, 43.4085,
52.3663

■ 25.6576, 25.7323,
3.6145

■ 44.2794, 45.7665,
62.8762

■ 47.2681, 48.2625,
74.6051

■ 50.5172, 50.8997,
87.5910

■ 54.0337, 53.6812,
101.8699

Harmonies

Analogous

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



36.0264, 33.5620, 18.2363



31.3742, 33.5620, 16.6289



27.2681, 33.5620, 19.2050

Triad

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



31.3742, 33.5620, 16.6289



25.0671, 33.5620, 52.3613



40.4893, 33.5620, 49.1001

Complementary

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



31.3742, 33.5620, 16.6289



18.9337, 18.1601, 42.0425

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.



37.0281, 33.5620, 62.0496



31.3742, 33.5620, 16.6289



28.1008, 33.5620, 64.2284

Square

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



31.3742, 33.5620, 16.6289



23.8541, 33.5620, 38.0776



32.4310, 33.5620, 68.1411



41.5770, 33.5620, 35.0508

Rectangle

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



31.3742, 33.5620, 16.6289



25.3060, 33.5620, 23.4220



32.4310, 33.5620, 68.1411



39.5495, 33.5620, 53.8284

Sweetspot

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



31.3750, 33.5636, 16.6296



65.7344, 69.8490, 61.7827



24.8636, 19.0755, 18.9763



14.1098, 15.0118, 12.8020



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.3750, 33.5636, 16.6296



53.8970, 57.4769, 22.9928



30.3832, 37.5864, 17.4584



8.5044, 9.0135, 8.5049



18.8940, 18.9934, 2.6703



0.5633, 0.6038, 0.0869

Inverse Universe

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



18.9337, 18.1601, 42.0425



28.7720, 26.3920, 74.3835



19.5762, 15.8443, 41.5617



7.7226, 8.0446, 10.0984



6.1294, 3.3926, 29.3763



0.2114, 0.1761, 0.8308

Previews

White Background



This preview shows how the XYZ color 31.3742, 33.5620, 16.6289 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 31.3742, 33.5620, 16.6289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

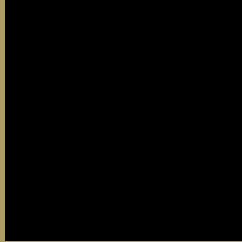
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3742, 33.5620, 16.6289

Background



This preview shows how black text looks on a background with the XYZ color 31.3742, 33.5620, 16.6289.



This preview shows how white text looks on a background with the XYZ color 31.3742, 33.5620,

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

31.3742, 33.5620, 16.6289

Protanopia

31.1037, 33.6727, 16.6645

Deuteranopia

34.1929, 33.5516, 16.7305



Tritanopia

35.6830, 33.6167, 37.8657

Trichromacy



Original Color

31.3742, 33.5620, 16.6289

Protanomaly

31.3224, 33.7855, 16.6748

Deuteranomaly

33.0569, 33.4439, 16.7696

Tritanomaly

33.9471, 33.6386, 28.7484

Monochromacy



Original Color

31.3742, 33.5620, 16.6289

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9948, 32.8733, 27.6333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3742, 33.5620, 16.6289 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(173, 156, 99)` looks like.

```
.text, #text, p{  
    color:rgb(173, 156, 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(173, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 156, 99) }
```

Border

The CSS property to change the border of an element to XYZ 31.3742, 33.5620, 16.6289 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(173, 156, 99) }
```


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

```
.border{ border-color:rgb(173, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(173, 156,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3742, 33.5620, 16.6289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 156, 99) }
```

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

```
.background{ background-color: rgb(173,  
156, 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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