

Converting Colors

XYZ(31.4778, 33.5003, 16.4123)

Have a look what the booklet for
XYZ(31.4778, 33.5003, 16.4123)
contains.

XYZ(31.5486, 33.6574, 16.3890)	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(31.5486, 33.6574,
16.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	AE9C62
RGB	174, 156, 98
RGB Percent	68%, 61%, 38%
CMY	0.3176, 0.3882, 0.6157
CMYK	0.00, 0.10, 0.44, 0.32
HSL	46°, 32%, 53%
HSV	46°, 44%, 68%
XYZ	31.5486, 33.6574, 16.3890
YIQ	154.7700, 29.3460, -14.2220

Conversions

Conversions Part 2

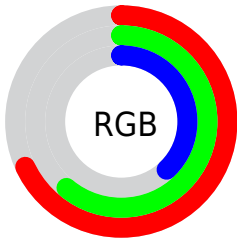
Format	Color
RYB	122, 174, 98
Decimal	11443298
CIELab	64.69, -1.61, 32.73
CIElCh	65, 32.771, 92.813
Yxy	33.6574, 0.3866, 0.4125
Android (android.graphics.Color)	4289633378 (0xFFAE9C62)
YUV	154.7700, -27.9876, 16.8647
Hunter-Lab	58.0150, -4.4578, 23.8613

Details

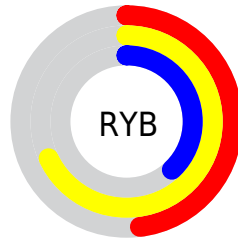
The XYZ color **31.5486, 33.6574, 16.3890** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.9222, 18.1429, 42.5489**, and the grayscale version is **31.1654, 32.7884, 35.7066**.

A 20% lighter version of the original color is **61.5066, 65.2841, 38.2135**, and **13.3730, 14.3265, 5.0781** is the 20% darker color. If you saturate the color by 10%, you get **30.1353, 32.0057, 12.2959**, and if you desaturate by 10%, it is **33.1656, 35.4306, 21.4319**.

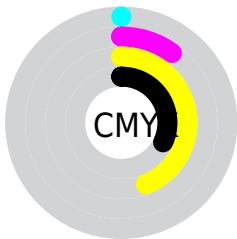
Distribution



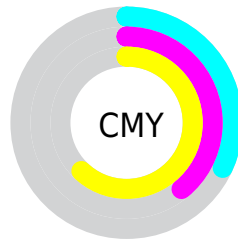
- Red (68%)
- Green (61%)
- Blue (38%)



- Red (48%)
- Yellow (68%)
- Blue (38%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (32%)





- Cyan (32%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5486, 33.6574, 16.3890 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 31.5486, 33.6574, 16.3890 by changing the saturation by 10% instead.


 31.5486, 33.6574,
16.3890


 31.5486, 33.6574,
16.3890


300.8398,
318.6017, 243.5499

 21.1708, 22.6305,
9.6425


 61.4727, 65.4005,
38.0484


 13.3621, 14.3209,
5.0601


 81.7498, 86.8856,
53.7983

 7.7571, 8.3442,
2.2232


 106.0574,
112.6255, 73.3865

 3.9904, 4.3160,
0.6877

 134.7608,
143.0047, 97.2315

 1.6967, 1.8518,
0.0000

168.2253,
178.4075, 125.7518

 0.4542, 0.5192,
0.0000

206.8165,

 0.0000, 0.0000,

219.2183, 159.3659

0.0000

250.8995,
265.8216, 198.4924

■ 31.5486, 33.6574,
16.3890

■ 31.5486, 33.6574,
16.3890

■ 30.1353, 32.0057,
12.2959

■ 33.1656, 35.4306,
21.4319

■ 28.9113, 30.4657,
9.0889

■ 34.9948, 37.3252,
27.4786

■ 27.8642, 29.0333,
6.6997

■ 37.0469, 39.3473,
34.5816

■ 26.9787, 27.7018,
5.0490

■ 39.3313, 41.5009,
42.7890

■ 26.2364, 26.4637,
4.0419

■ 41.8569, 43.7899,
52.1460

■ 25.8156, 25.7187,
3.6036

■ 44.6318, 46.2180,
62.6954

■ 47.6641, 48.7886,
74.4774

■ 50.9612, 51.5051,
87.5308

■ 54.5303, 54.3707,
101.8923

Harmonies

Analogous

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



36.3024, 33.6574, 18.1003



31.5486, 33.6574, 16.3890



27.3360, 33.6574, 18.9061

Triad

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



31.5486, 33.6574, 16.3890



24.9763, 33.6574, 52.5490



40.7271, 33.6574, 49.7990

Complementary

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



31.5486, 33.6574, 16.3890



18.9222, 18.1429, 42.5489

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.



37.1451, 33.6574, 63.0064



31.5486, 33.6574, 16.3890



28.0340, 33.6574, 64.8482

Square

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



31.5486, 33.6574, 16.3890



23.7818, 33.6574, 37.9329



32.4362, 33.6574, 69.0771



41.8989, 33.6574, 35.3908

Rectangle

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



31.5486, 33.6574, 16.3890



25.3135, 33.6574, 23.1169



32.4362, 33.6574, 69.0771



39.7488, 33.6574, 54.6348

Sweetspot

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



31.5494, 33.6590, 16.3897



67.3758, 71.5420, 63.3499



25.0343, 19.0187, 19.1815



14.7862, 15.7186, 13.4154



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.



31.5494, 33.6590, 16.3897



54.8444, 58.2750, 22.8075



30.8583, 38.1225, 17.2877



8.4995, 9.0039, 8.5033



18.7715, 18.7485, 2.6295



0.5607, 0.5986, 0.0860

Inverse Universe

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



18.9222, 18.1429, 42.5489



29.0857, 26.6477, 76.2474



19.3441, 15.5737, 42.0308



7.7271, 8.0537, 10.0999



6.1609, 3.4557, 29.3868



0.2131, 0.1796, 0.8314

Previews

White Background



This preview shows how the XYZ color 31.5486, 33.6574, 16.3890 looks on a white background.

Color Contrast Check

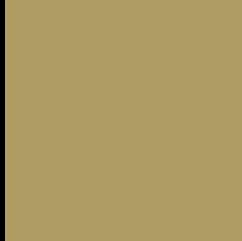
Large Text (above 18pt) WCAG AA × Fail

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 31.5486, 33.6574, 16.3890 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 31.5486, 33.6574, 16.3890

Background



This preview shows how black text looks on a background with the XYZ color 31.5486, 33.6574, 16.3890.



This preview shows how white text looks on a background with the XYZ color 31.5486, 33.6574,

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

31.5486, 33.6574, 16.3890

Protanopia

31.0562, 33.6537, 16.4143

Deuteranopia

34.1447, 33.5324, 16.4772



Tritanopia

35.7575, 33.4212, 37.8240

Trichromacy



Original Color

31.5486, 33.6574, 16.3890

Protanomaly

31.2748, 33.7664, 16.4245

Deuteranomaly

33.2475, 33.5477, 16.5274

Tritanomaly

33.9421, 33.4043, 28.3257

Monochromacy



Original Color

31.5486, 33.6574, 16.3890

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9247, 32.8453, 27.2641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5486, 33.6574, 16.3890 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(174, 156, 98)` looks like.

```
.text, #text, p{  
    color:rgb(174, 156, 98)  
}
```

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(174, 156, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 156, 98) }
```

Border

The CSS property to change the border of an element to XYZ 31.5486, 33.6574, 16.3890 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(174, 156, 98) }
```


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

```
.border{ border-color:rgb(174, 156, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 156, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 156, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 156, 98);  
box-shadow:4px 4px 4px 4px rgb(174, 156,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5486, 33.6574, 16.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 156, 98) }
```

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

```
.background{ background-color: rgb(174,  
156, 98) }
```

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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