

Converting Colors

XYZ(31.5155, 33.5547, 17.5692)

Have a look what the booklet for
XYZ(31.5155, 33.5547, 17.5692)
contains.

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Color

**XYZ(31.5702, 33.6404,
17.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9C67
RGB	173, 156, 103
RGB Percent	68%, 61%, 40%
CMY	0.3216, 0.3882, 0.5961
CMYK	0.00, 0.10, 0.40, 0.32
HSL	45°, 30%, 54%
HSV	45°, 40%, 68%
XYZ	31.5702, 33.6404, 17.6613
YIQ	155.0410, 27.1450, -12.8790

Conversions

Conversions Part 2

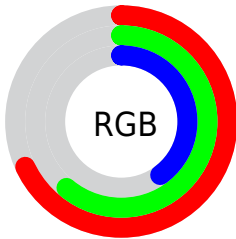
Format	Color
RYB	125, 173, 103
Decimal	11377767
CIELab	64.68, -1.47, 30.02
CIELCh	65, 30.060, 92.805
Yxy	33.6404, 0.3810, 0.4059
Android (android.graphics.Color)	4289567847 (0xFFAD9C67)
YUV	155.0410, -25.6562, 15.7500
Hunter-Lab	58.0003, -4.3412, 22.5462

Details

The XYZ color **31.5702, 33.6404, 17.6613** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.8527, 19.3331, 42.2204**, and the grayscale version is **31.2761, 32.9049, 35.8334**.

A 20% lighter version of the original color is **61.5961, 65.2827, 40.3647**, and **13.3489, 14.3009, 5.6712** is the 20% darker color. If you saturate the color by 10%, you get **30.0977, 31.9442, 13.3208**, and if you desaturate by 10%, it is **33.2484, 35.4603, 22.9576**.

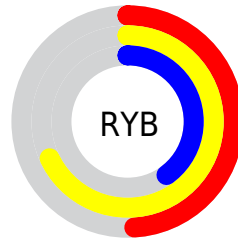
Distribution



Red (68%)

Green (61%)

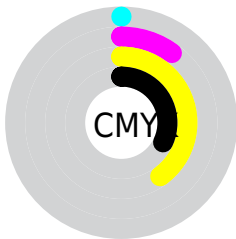
Blue (40%)



Red (49%)

Yellow (68%)

Blue (40%)

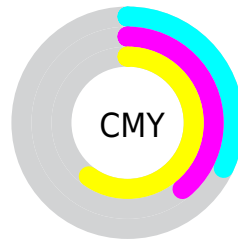


Cyan (0%)

Magenta (10%)

Yellow (40%)

Black (32%)



Cyan (32%)

Magenta (39%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5702, 33.6404, 17.6613 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 31.5702, 33.6404, 17.6613 by changing the saturation by 10% instead.

■ 31.5702, 33.6404,
17.6613

■ 31.5702, 33.6404,
17.6613

300.9369,
318.5256, 251.1266

■ 21.1874, 22.6175,
10.5402

■ 61.5064, 65.3741,
40.2654

■ 13.3743, 14.3113,
5.6483

■ 81.7906, 86.8536,
56.5856

■ 7.7656, 8.3375,
2.5671

■ 106.1058,
112.5875, 76.8091

■ 3.9958, 4.3117,
0.8754

■ 134.8176,
142.9601, 101.3545

■ 1.6998, 1.8494,
0.0000

168.2913,
178.3558, 130.6405

■ 0.4561, 0.5177,
0.0000

206.8921,

■ 0.0000, 0.0000,

219.1590, 165.0854

0.0000

250.9855,
265.7542, 205.1080

■ 31.5702, 33.6404,
17.6613

■ 31.5702, 33.6404,
17.6613

■ 30.0977, 31.9442,
13.3208

■ 33.2484, 35.4603,
22.9576

■ 28.8171, 30.3622,
9.8750

■ 35.1403, 37.4039,
29.2614

■ 27.7164, 28.8903,
7.2593

■ 37.2564, 39.4769,
36.6233

■ 26.7814, 27.5226,
5.3993

■ 39.6057, 41.6834,
45.0896

■ 25.9952, 26.2518,
4.2071

■ 42.1968, 44.0270,
54.7042

■ 25.3493, 25.1157,
3.5118

■ 45.0378, 46.5115,
65.5083

■ 48.1362, 49.1401,
77.5413

■ 51.4994, 51.9163,
90.8405

■ 54.5327, 54.6024,
102.2729

Harmonies

Analogous

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



35.9155, 33.6404, 19.3066



31.5702, 33.6404, 17.6613



27.6890, 33.6404, 20.0748

Triad

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



31.5702, 33.6404, 17.6613



25.4989, 33.6404, 51.0593



39.9309, 33.6404, 48.5890

Complementary

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



31.5702, 33.6404, 17.6613



19.8527, 19.3331, 42.2204

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.



36.6801, 33.6404, 60.4338



31.5702, 33.6404, 17.6613



28.3324, 33.6404, 62.0707

Square

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



31.5702, 33.6404, 17.6613



24.3868, 33.6404, 37.8029



32.3816, 33.6404, 65.8353



40.9917, 33.6404, 35.4790

Rectangle

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



31.5702, 33.6404, 17.6613



25.8135, 33.6404, 24.0666



32.3816, 33.6404, 65.8353



39.0445, 33.6404, 52.9418

Sweetspot

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



31.5710, 33.6420, 17.6620



66.0324, 70.0354, 63.1452



25.5046, 19.9533, 20.4364



14.2450, 15.1183, 13.3528



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.



31.5710, 33.6420, 17.6620



54.0534, 57.3888, 24.2806



31.0056, 37.8846, 18.5107



8.4954, 8.9957, 8.5020



18.6691, 18.5436, 2.5953



0.5586, 0.5943, 0.0853

Inverse Universe

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



19.8527, 19.3331, 42.2204



30.0519, 28.1022, 74.6461



20.2087, 16.7470, 41.7025



7.7310, 8.0613, 10.1012



6.1883, 3.5105, 29.3960



0.2146, 0.1826, 0.8319

Previews

White Background



This preview shows how the XYZ color 31.5702, 33.6404, 17.6613 looks on a white background.

Color Contrast Check

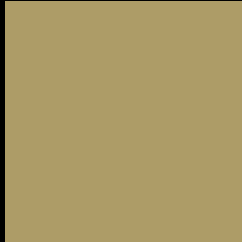
Large Text (above 18pt) WCAG AA × Fail

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 31.5702, 33.6404, 17.6613 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

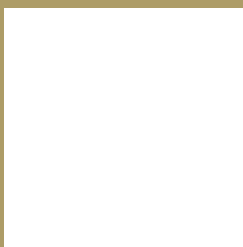
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5702, 33.6404, 17.6613

Background



This preview shows how black text looks on a background with the XYZ color 31.5702, 33.6404, 17.6613.



This preview shows how white text looks on a background with the XYZ color 31.5702, 33.6404,

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

31.5702, 33.6404, 17.6613

Protanopia

31.0827, 33.6393, 17.6868

Deuteranopia

34.1441, 33.5035, 17.7639



Tritanopia

35.6830, 33.6167, 37.8657

Trichromacy



Original Color

31.5702, 33.6404, 17.6613

Protanomaly

31.2997, 33.7511, 17.6969

Deuteranomaly

33.2554, 33.5232, 17.8146

Tritanomaly

34.0199, 33.6677, 29.1316

Monochromacy



Original Color

31.5702, 33.6404, 17.6613

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0656, 32.9016, 28.0059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5702, 33.6404, 17.6613 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(173, 156, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 156, 103) }
```

Border

The CSS property to change the border of an element to XYZ 31.5702, 33.6404, 17.6613 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, 103) }
```


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

```
.border{ border-color:rgb(173, 156, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 156, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 156, 103);  
box-shadow:4px 4px 4px 4px rgb(173, 156,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5702, 33.6404, 17.6613 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, 103) }
```

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

```
.background{ background-color: rgb(173,  
156, 103) }
```

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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