

Converting Colors

XYZ(31.5331, 31.7142, 17.1899)

Have a look what the booklet for
XYZ(31.5331, 31.7142, 17.1899)
contains.

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Color

**XYZ(31.6285, 31.7428,
17.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	B39467
RGB	179, 148, 103
RGB Percent	70%, 58%, 40%
CMY	0.2980, 0.4196, 0.5961
CMYK	0.00, 0.17, 0.42, 0.30
HSL	36°, 33%, 55%
HSV	36°, 42%, 70%
XYZ	31.6285, 31.7428, 17.2919
YIQ	152.1390, 32.9210, -7.4230

Conversions

Conversions Part 2

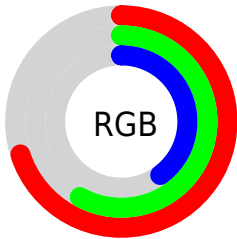
Format	Color
RYB	155, 179, 103
Decimal	11768935
CIELab	63.13, 5.41, 28.12
CIElCh	63, 28.639, 79.116
Yxy	31.7428, 0.3921, 0.3935
Android (android.graphics.Color)	4289959015 (0xFFB39467)
YUV	152.1390, -24.2255, 23.5571
Hunter-Lab	56.3407, 1.6098, 21.2415

Details

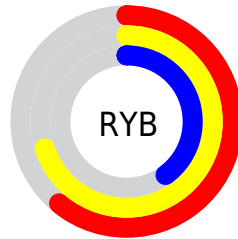
The XYZ color **31.6285, 31.7428, 17.2919** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.2550, 23.1876, 45.9505**, and the grayscale version is **29.9971, 31.5593, 34.3681**.

A 20% lighter version of the original color is **61.6290, 62.4405, 39.8144**, and **13.4217, 13.1852, 5.4520** is the 20% darker color. If you saturate the color by 10%, you get **29.7155, 29.2039, 12.6862**, and if you desaturate by 10%, it is **33.8077, 34.5061, 22.9360**.

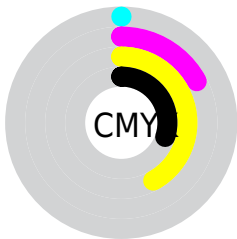
Distribution



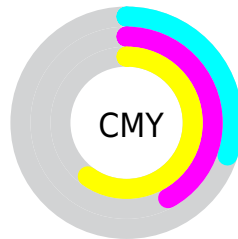
- Red (70%)
- Green (58%)
- Blue (40%)



- Red (61%)
- Yellow (70%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (42%)
- Black (30%)



- Cyan (30%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6285, 31.7428, 17.2919 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 31.6285, 31.7428, 17.2919 by changing the saturation by 10% instead.

■ 31.6285, 31.7428,
17.2919

■ 31.6285, 31.7428,
17.2919

301.1989,
309.9460, 248.9496

■ 21.2321, 21.1651,
10.2787

■ 61.5974, 62.4077,
39.6245

■ 13.4072, 13.2448,
5.4761

■ 81.9005, 83.2636,
55.7809

■ 7.7884, 7.5973,
2.4656

■ 106.2366,
108.3145, 75.8222

■ 4.0105, 3.8384,
0.8219

■ 134.9710,
137.9446, 100.1668

■ 1.7081, 1.5836,
0.0000

168.4691,
172.5385, 129.2333

■ 0.4613, 0.3465,
0.0000

207.0962,

■ 0.0000, 0.0000,

212.4804, 163.4402

0.0000

251.2177,
258.1547, 203.2061

■ 31.6285, 31.7428,
17.2919

■ 31.6285, 31.7428,
17.2919

■ 29.7155, 29.2039,
12.6862

■ 33.8077, 34.5061,
22.9360

■ 28.0525, 26.8773,
9.0512

■ 36.2633, 37.4964,
29.6763

■ 26.6253, 24.7563,
6.3143

■ 39.0078, 40.7219,
37.5690

■ 25.4165, 22.8317,
4.3916

■ 42.0520, 44.1889,
46.6654

■ 24.4058, 21.0931,
3.1830

■ 45.4063, 47.9035,
57.0140

■ 23.7441, 19.8911,
2.5879

■ 49.0805, 51.8713,
68.6606

■ 53.0839, 56.0980,
81.6485

■ 57.4254, 60.5889,
96.0191

■ 60.6130, 64.7490,
103.9109

Harmonies

Analogous

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



35.4233, 31.7428, 20.5805



31.6285, 31.7428, 17.2919



27.7496, 31.7428, 17.8065

Triad

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



31.6285, 31.7428, 17.2919



23.5444, 31.7428, 42.1913



36.2888, 31.7428, 50.8557

Complementary

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



31.6285, 31.7428, 17.2919



22.2550, 23.1876, 45.9505

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.



32.7284, 31.7428, 59.4762



31.6285, 31.7428, 17.2919



25.4646, 31.7428, 53.7674

Square

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



31.6285, 31.7428, 17.2919



23.3059, 31.7428, 30.6134



28.7582, 31.7428, 60.6450



38.2660, 31.7428, 38.8374

Rectangle

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



31.6285, 31.7428, 17.2919



25.6254, 31.7428, 20.2764



28.7582, 31.7428, 60.6450



35.2237, 31.7428, 54.3493

Sweetspot

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



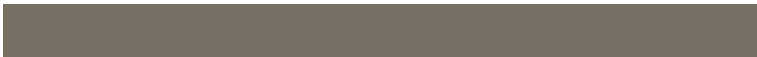
31.6293, 31.7443, 17.2925



69.4686, 72.4766, 66.1328



27.7906, 21.0244, 25.3925



15.1441, 15.7702, 13.9332



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.



31.6293, 31.7443, 17.2925



53.4111, 52.5637, 23.1623



35.7283, 42.0658, 19.0687



8.9006, 9.3137, 8.9811



16.8439, 14.1864, 1.8505



0.5856, 0.5576, 0.0768

Inverse Universe

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



22.2550, 23.1876, 45.9505



34.3888, 35.2169, 81.3662



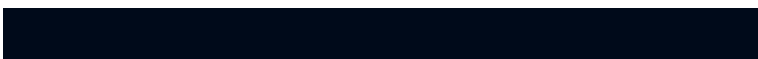
19.3350, 16.2279, 44.7610



8.3171, 8.7803, 10.7627



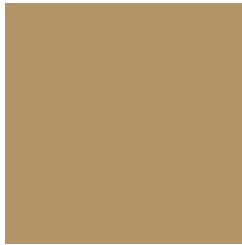
7.4942, 5.7888, 30.8593



0.2938, 0.2982, 0.9903

Previews

White Background



This preview shows how the XYZ color 31.6285, 31.7428, 17.2919 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 31.6285, 31.7428, 17.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

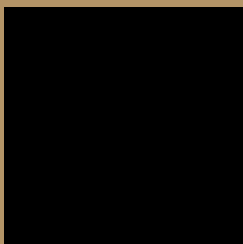
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6285, 31.7428, 17.2919

Background



This preview shows how black text looks on a background with the XYZ color 31.6285, 31.7428, 17.2919.



This preview shows how white text looks on a background with the XYZ color 31.6285, 31.7428,

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

31.6285, 31.7428, 17.2919

Protanopia

29.4581, 31.8017, 17.9503

Deuteranopia

32.2555, 31.6043, 17.2322



Tritanopia

35.1899, 31.8363, 34.4273

Trichromacy



Original Color

31.6285, 31.7428, 17.2919

Protanomaly

30.1429, 31.6787, 17.6226

Deuteranomaly

32.1733, 31.7918, 17.2727

Tritanomaly

33.6378, 31.6409, 27.2561

Monochromacy



Original Color

31.6285, 31.7428, 17.2919

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2700, 31.5358, 27.0459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6285, 31.7428, 17.2919 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(179, 148, 103)` looks like.

```
.text, #text, p{  
    color:rgb(179, 148, 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(179, 148, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 148, 103) }
```

Border

The CSS property to change the border of an element to XYZ 31.6285, 31.7428, 17.2919 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(179, 148, 103) }
```


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

```
.border{ border-color:rgb(179, 148, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 148, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 148, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 148, 103);  
box-shadow:4px 4px 4px 4px rgb(179, 148,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6285, 31.7428, 17.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 148, 103) }
```

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

```
.background{ background-color: rgb(179,  
148, 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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