

Converting Colors

XYZ(31.4124, 32.8825, 15.7102)

Have a look what the booklet for
XYZ(31.4124, 32.8825, 15.7102)
contains.

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Color

**XYZ(31.4070, 32.8571,
15.7531)**

Conversions

Conversions Part 1

Format	Color
Hex	B09960
RGB	176, 153, 96
RGB Percent	69%, 60%, 38%
CMY	0.3098, 0.4000, 0.6235
CMYK	0.00, 0.13, 0.45, 0.31
HSL	43°, 34%, 53%
HSV	43°, 45%, 69%
XYZ	31.4070, 32.8571, 15.7531
YIQ	153.3790, 32.0050, -12.8510

Conversions

Conversions Part 2

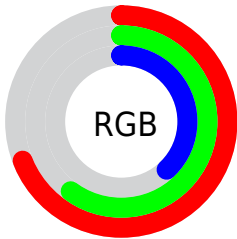
Format	Color
RYB	128, 176, 96
Decimal	11573600
CIELab	64.05, 0.65, 33.01
CIELCh	64, 33.021, 88.869
Yxy	32.8571, 0.3925, 0.4106
Android (android.graphics.Color)	4289763680 (0xFFB09960)
YUV	153.3790, -28.2878, 19.8386
Hunter-Lab	57.3211, -2.5094, 23.8306

Details

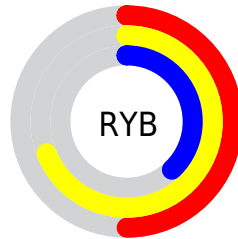
The XYZ color **31.4070, 32.8571, 15.7531** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.2569, 18.8143, 43.6906**, and the grayscale version is **30.5539, 32.1451, 35.0060**.

A 20% lighter version of the original color is **61.1836, 64.0559, 36.7431**, and **13.3109, 13.8537, 4.7688** is the 20% darker color. If you saturate the color by 10%, you get **29.8754, 30.9487, 11.6826**, and if you desaturate by 10%, it is **33.1568, 34.9114, 20.7920**.

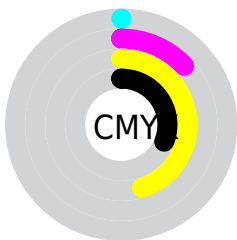
Distribution



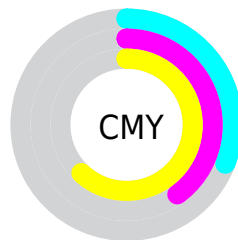
- Red (69%)
- Green (60%)
- Blue (38%)



- Red (50%)
- Yellow (69%)
- Blue (38%)



- Cyan (0%)
- Magenta (13%)
- Yellow (45%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4070, 32.8571, 15.7531 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 31.4070, 32.8571, 15.7531 by changing the saturation by 10% instead.

■ 31.4070, 32.8571,
15.7531

■ 31.4070, 32.8571,
15.7531

300.2025,
315.0053, 239.6761

■ 21.0623, 22.0170,
9.1972

■ 61.2518, 64.1524,
36.9298

■ 13.2823, 13.8694,
4.7714

■ 81.4826, 85.3763,
52.3877

■ 7.7015, 8.0299,
2.0574

■ 105.7395,
110.8303, 71.6500

■ 3.9548, 4.1141,
0.5902

■ 134.3878,
140.8988, 95.1352

■ 1.6766, 1.7376,
0.0000

167.7929,
175.9662, 123.2619

■ 0.4415, 0.4478,
0.0000

206.3201,

■ 0.0000, 0.0000,

216.4168, 156.4486

0.0000

250.3349,
262.6350, 195.1138

■ 31.4070, 32.8571,
15.7531

■ 31.4070, 32.8571,
15.7531

■ 29.8754, 30.9487,
11.6826

■ 33.1568, 34.9114,
20.7920

■ 28.5468, 29.1758,
8.5139

■ 35.1338, 37.1122,
26.8561

■ 27.4079, 27.5335,
6.1749


■ 37.3496, 39.4661,
34.0000


■ 26.4423, 26.0147,
4.5818


■ 39.8140, 41.9775,
42.2739


■ 25.6296, 24.6103,
3.6292

■ 42.5364, 44.6510,
51.7249

 25.2900, 24.0012,
3.2998

 45.5255, 47.4906,
62.3973

 48.7897, 50.5003,
74.3331

 52.3370, 53.6839,
87.5724

 56.1749, 57.0450,
102.1534

Harmonies

Analogous

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



36.0986, 32.8571, 17.9888



31.4070, 32.8571, 15.7531



27.0975, 32.8571, 17.6702

Triad

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



31.4070, 32.8571, 15.7531



24.0171, 32.8571, 49.6617



39.5510, 32.8571, 50.7622

Complementary

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



31.4070, 32.8571, 15.7531



19.2569, 18.8143, 43.6906

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.



35.7620, 32.8571, 63.3055



31.4070, 32.8571, 15.7531



26.8195, 32.8571, 62.5669

Square

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



31.4070, 32.8571, 15.7531



23.0952, 32.8571, 35.2713



31.0530, 32.8571, 68.0824



41.0798, 32.8571, 36.2850

Rectangle

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



31.4070, 32.8571, 15.7531



24.9511, 32.8571, 21.4031



31.0530, 32.8571, 68.0824



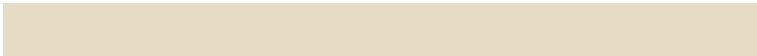
38.4820, 32.8571, 55.4656

Sweetspot

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



31.4078, 32.8586, 15.7538



68.2561, 72.1139, 63.3678



25.4777, 18.9522, 20.0850



14.5979, 15.4263, 13.0925



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.



31.4078, 32.8586, 15.7538



54.0530, 55.9614, 20.8572



32.1338, 39.3686, 16.9721



8.9866, 9.4857, 9.0098



18.6078, 17.7141, 2.4384



0.6324, 0.6512, 0.0924

Inverse Universe

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



19.2569, 18.8143, 43.6906



29.1515, 27.2121, 78.2113



18.7017, 14.9455, 42.9731



8.2343, 8.6149, 10.7352



6.6497, 4.0997, 30.5778



0.2605, 0.2315, 0.9792

Previews

White Background



This preview shows how the XYZ color 31.4070, 32.8571, 15.7531 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 31.4070, 32.8571, 15.7531 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 31.4070, 32.8571, 15.7531

Background



This preview shows how black text looks on a background with the XYZ color 31.4070, 32.8571, 15.7531.



This preview shows how white text looks on a background with the XYZ color 31.4070, 32.8571,

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

31.4070, 32.8571, 15.7531

Protanopia

30.2412, 32.7408, 16.0350

Deuteranopia

33.4866, 32.7342, 15.8627



Tritanopia

35.6561, 32.9372, 36.3765

Trichromacy



Original Color

31.4070, 32.8571, 15.7531

Protanomaly

30.7265, 32.7449, 16.0102

Deuteranomaly

32.8312, 32.8661, 15.9227

Tritanomaly

33.9430, 32.9475, 27.4922

Monochromacy



Original Color

31.4070, 32.8571, 15.7531

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2540, 32.0255, 26.4168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4070, 32.8571, 15.7531 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(176, 153, 96)` looks like.

```
.text, #text, p{  
    color:rgb(176, 153, 96)  
}
```

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(176, 153, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 153, 96) }
```

Border

The CSS property to change the border of an element to XYZ 31.4070, 32.8571, 15.7531 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(176, 153, 96) }
```


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

```
.border{ border-color:rgb(176, 153, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 153, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 153, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 153, 96);  
box-shadow:4px 4px 4px 4px rgb(176, 153,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4070, 32.8571, 15.7531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 153, 96) }
```

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

```
.background{ background-color: rgb(176,  
153, 96) }
```

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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