

Converting Colors

XYZ(30.7793, 32.0066, 17.1262)

Have a look what the booklet for
XYZ(30.7793, 32.0066, 17.1262)
contains.

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Color

**XYZ(30.6985, 31.9768,
17.1245)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9766
RGB	173, 151, 102
RGB Percent	68%, 59%, 40%
CMY	0.3216, 0.4078, 0.6000
CMYK	0.00, 0.13, 0.41, 0.32
HSL	41°, 30%, 54%
HSV	41°, 41%, 68%
XYZ	30.6985, 31.9768, 17.1245
YIQ	151.9920, 28.8410, -10.5750

Conversions

Conversions Part 2

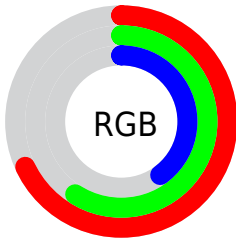
Format	Color
RYB	134, 173, 102
Decimal	11376486
CIELab	63.32, 1.14, 28.81
CIElCh	63, 28.831, 87.730
Yxy	31.9768, 0.3847, 0.4007
Android (android.graphics.Color)	4289566566 (0xFFAD9766)
YUV	151.9920, -24.6461, 18.4240
Hunter-Lab	56.5480, -2.0559, 21.6288

Details

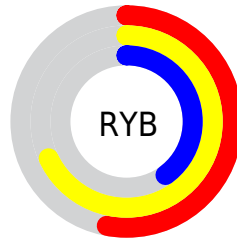
The XYZ color **30.6985, 31.9768, 17.1245** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.2298, 20.2565, 42.3789**, and the grayscale version is **29.9366, 31.4956, 34.2987**.

A 20% lighter version of the original color is **60.2972, 62.8187, 39.5191**, and **12.8308, 13.3026, 5.3814** is the 20% darker color. If you saturate the color by 10%, you get **29.0857, 29.9839, 12.7868**, and if you desaturate by 10%, it is **32.5312, 34.1228, 22.4196**.

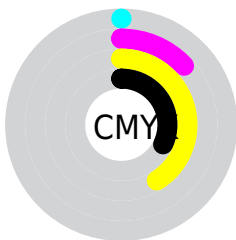
Distribution



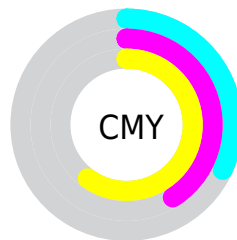
- Red (68%)
- Green (59%)
- Blue (40%)



- Red (53%)
- Yellow (68%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (41%)
- Black (32%)



- Cyan (32%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6985, 31.9768, 17.1245 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 30.6985, 31.9768, 17.1245 by changing the saturation by 10% instead.

■ 30.6985, 31.9768,
17.1245

■ 30.6985, 31.9768,
17.1245

296.9986,
311.0136, 247.9570

■ 20.5201, 21.3438,
10.1604

■ 60.1442, 62.7747,
39.3333

■ 12.8841, 13.3755,
5.3984

■ 80.1421, 83.7084,
55.4151

■ 7.4252, 7.6876,
2.4201

■ 104.1439,
108.8444, 75.3731

■ 3.7781, 3.8957,
0.7974

■ 132.5150,
138.5672, 99.6261

■ 1.5774, 1.6154,
0.0000

165.6206,
173.2611, 128.5924

■ 0.3776, 0.3680,
0.0000

203.8262,

■ 0.0000, 0.0000,

213.3105, 162.6906

0.0000

247.4971,
259.0999, 202.3393

■ 30.6985, 31.9768,
17.1245

■ 30.6985, 31.9768,
17.1245

■ 29.0857, 29.9839,
12.7868

■ 32.5312, 34.1228,
22.4196

■ 27.6787, 28.1340,
9.3451

■ 34.5921, 36.4224,
28.7243

■ 26.4652, 26.4227,
6.7343

■ 36.8921, 38.8820,
36.0894

■ 25.4304, 24.8431,
4.8792

■ 39.4405, 41.5061,
44.5616

■ 24.5570, 23.3874,
3.6908

■ 42.2460, 44.2990,
54.1849

■ 23.8787, 22.1744,
3.0215

■ 45.3170, 47.2647,
65.0007

■ 48.6614, 50.4071,
77.0486

■ 52.2868, 53.7301,
90.3663

■ 55.7624, 57.0619,
102.6828

Harmonies

Analogous

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



34.6855, 31.9768, 19.3206



30.6985, 31.9768, 17.1245



26.9540, 31.9768, 18.7376

Triad

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



30.6985, 31.9768, 17.1245



24.0829, 31.9768, 46.1009



37.3684, 31.9768, 47.9463

Complementary

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



30.6985, 31.9768, 17.1245



20.2298, 20.2565, 42.3789

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.



34.1127, 31.9768, 58.1705



30.6985, 31.9768, 17.1245



26.4701, 31.9768, 56.9513

Square

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



30.6985, 31.9768, 17.1245



23.3397, 31.9768, 33.9525



30.0895, 31.9768, 61.7791



38.7409, 31.9768, 35.6966

Rectangle

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



30.6985, 31.9768, 17.1245



25.0512, 31.9768, 22.0075



30.0895, 31.9768, 61.7791



36.4447, 31.9768, 51.8272

Sweetspot

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



30.6993, 31.9783, 17.1252



65.5675, 69.1055, 62.9902



25.6539, 19.8548, 21.7100



14.1342, 14.8966, 13.3158



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.



30.6993, 31.9783, 17.1252



52.4134, 54.1087, 23.7340



31.8359, 38.3184, 18.2890



8.4502, 8.9051, 8.4869



17.5949, 16.3953, 2.2373



0.5351, 0.5474, 0.0775

Inverse Universe

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



20.2298, 20.2565, 42.3789



31.1760, 30.3505, 75.0208



19.3669, 16.1662, 41.6348



7.7738, 8.1469, 10.1155



6.5423, 4.2185, 29.5139



0.2313, 0.2160, 0.8375

Previews

White Background



This preview shows how the XYZ color 30.6985, 31.9768, 17.1245 looks on a white background.

Color Contrast Check

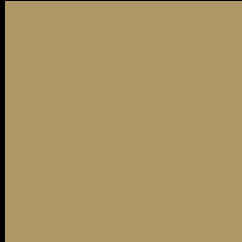
Large Text (above 18pt) WCAG AA × Fail

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 30.6985, 31.9768, 17.1245 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 30.6985, 31.9768, 17.1245

Background



This preview shows how black text looks on a background with the XYZ color 30.6985, 31.9768, 17.1245.



This preview shows how white text looks on a background with the XYZ color 30.6985, 31.9768,

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

30.6985, 31.9768, 17.1245

Protanopia

29.5653, 31.8687, 17.4250

Deuteranopia

32.6491, 32.0371, 17.2949



Tritanopia

34.4801, 31.8968, 35.3497

Trichromacy



Original Color

30.6985, 31.9768, 17.1245

Protanomaly

30.0386, 31.8708, 17.4004

Deuteranomaly

31.8605, 31.8624, 17.3028

Tritanomaly

33.0091, 31.9921, 27.7279

Monochromacy



Original Color

30.6985, 31.9768, 17.1245

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0285, 31.6513, 27.0809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6985, 31.9768, 17.1245 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, 151, 102)` looks like.

```
.text, #text, p{  
    color:rgb(173, 151, 102)  
}
```

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, 151, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 151, 102) }
```

Border

The CSS property to change the border of an element to XYZ 30.6985, 31.9768, 17.1245 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, 151, 102) }
```


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

```
.border{ border-color:rgb(173, 151, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 151, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 151, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 151, 102);  
box-shadow:4px 4px 4px 4px rgb(173, 151,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6985, 31.9768, 17.1245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 151, 102) }
```

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

```
.background{ background-color: rgb(173,  
151, 102) }
```

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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