

Converting Colors

XYZ(30.1324, 31.0473, 16.9751)

Have a look what the booklet for
XYZ(30.1324, 31.0473, 16.9751)
contains.

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Color

**XYZ(30.0014, 30.9098,
16.9553)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9466
RGB	172, 148, 102
RGB Percent	67%, 58%, 40%
CMY	0.3255, 0.4196, 0.6000
CMYK	0.00, 0.14, 0.41, 0.33
HSL	39°, 30%, 54%
HSV	39°, 41%, 67%
XYZ	30.0014, 30.9098, 16.9553
YIQ	149.9320, 29.0700, -9.2180

Conversions

Conversions Part 2

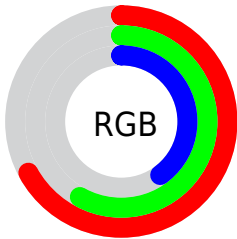
Format	Color
RYB	139, 172, 102
Decimal	11310182
CIELab	62.43, 2.37, 27.63
CIELCh	62, 27.728, 85.094
Yxy	30.9098, 0.3853, 0.3970
Android (android.graphics.Color)	4289500262 (0xFFAC9466)
YUV	149.9320, -23.6305, 19.3536
Hunter-Lab	55.5966, -0.9707, 20.8359

Details

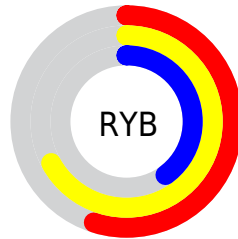
The XYZ color **30.0014, 30.9098, 16.9553** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3864, 20.7242, 41.9552**, and the grayscale version is **29.0497, 30.5625, 33.2826**.

A 20% lighter version of the original color is **59.2664, 61.2322, 39.2672**, and **12.5048, 12.8533, 5.3119** is the 20% darker color. If you saturate the color by 10%, you get **28.3342, 28.8017, 12.6189**, and if you desaturate by 10%, it is **31.8943, 33.1858, 22.2407**.

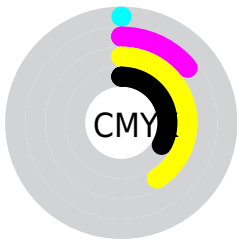
Distribution



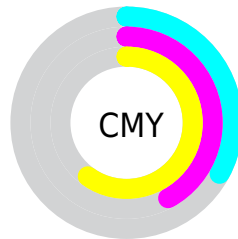
- Red (67%)
- Green (58%)
- Blue (40%)



- Red (55%)
- Yellow (67%)
- Blue (40%)



- Cyan (0%)
- Magenta (14%)
- Yellow (41%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0014, 30.9098, 16.9553 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 30.0014, 30.9098, 16.9553 by changing the saturation by 10% instead.

■ 30.0014, 30.9098,
16.9553

■ 30.0014, 30.9098,
16.9553

293.8207,
306.1226, 246.9499

■ 19.9877, 20.5302,
10.0410

■ 59.0510, 61.0980,
39.0385

■ 12.4943, 12.7810,
5.3202

■ 78.8176, 81.6754,
55.0445

■ 7.1559, 7.2779,
2.3743

■ 102.5660,
106.4209, 74.9181

■ 3.6070, 3.6365,
0.7724

■ 130.6614,
135.7187, 99.0779

■ 1.4823, 1.4724,
0.0000

163.4692,
169.9535, 127.9425

■ 0.3137, 0.2692,
0.0000

201.3548,

■ 0.0000, 0.0000,

209.5094, 161.9303

0.0000

244.6835,
254.7710, 201.4599

■ 30.0014, 30.9098,
16.9553

■ 30.0014, 30.9098,
16.9553

■ 28.3342, 28.8017,
12.6189

■ 31.8943, 33.1858,
22.2407

■ 26.8786, 26.8514,
9.1715

■ 34.0213, 35.6308,
28.5267

■ 25.6224, 25.0540,
6.5487

■ 36.3932, 38.2513,
35.8632

■ 24.5510, 23.4025,
4.6768

■ 39.0193, 41.0521,
44.2962

■ 23.6471, 21.8888,
3.4689

■ 41.9085, 44.0377,
53.8690

■ 22.9227, 20.5896,
2.7660

■ 45.0691, 47.2125,
64.6226

■ 48.5091, 50.5806,
76.5958

■ 52.2361, 54.1460,
89.8259

■ 55.9659, 57.7961,
102.8138

Harmonies

Analogous

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



33.7127, 30.9098, 19.3720



30.0014, 30.9098, 16.9553



26.4184, 30.9098, 18.1725

Triad

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



30.0014, 30.9098, 16.9553



23.3064, 30.9098, 43.2216



35.7150, 30.9098, 46.9470

Complementary

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



30.0014, 30.9098, 16.9553



20.3864, 20.7242, 41.9552

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.



32.5526, 30.9098, 56.1018



30.0014, 30.9098, 16.9553



25.4333, 30.9098, 53.6493

Square

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



30.0014, 30.9098, 16.9553



22.7489, 30.9098, 31.9159



28.7649, 30.9098, 58.7841



37.1859, 30.9098, 35.4573

Rectangle

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



30.0014, 30.9098, 16.9553



24.5505, 30.9098, 21.0537



28.7649, 30.9098, 58.7841



34.8021, 30.9098, 50.4886

Sweetspot

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



30.0022, 30.9112, 16.9559



65.3404, 68.6513, 62.9145



25.5630, 19.7930, 22.3816



14.0801, 14.7884, 13.2978



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.



30.0022, 30.9112, 16.9559



51.6356, 52.5531, 23.4747



31.9497, 38.0934, 18.2396



8.4280, 8.8608, 8.4795



17.1108, 15.4271, 2.0759



0.5242, 0.5256, 0.0738

Inverse Universe

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



20.3864, 20.7242, 41.9552



31.7566, 31.5115, 75.2144



18.9439, 15.9593, 41.1116



7.7950, 8.1894, 10.1226



6.7504, 4.6346, 29.5833



0.2395, 0.2324, 0.8402

Previews

White Background



This preview shows how the XYZ color 30.0014, 30.9098, 16.9553 looks on a white background.

Color Contrast Check

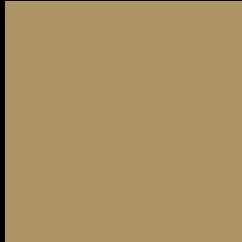
Large Text (above 18pt) WCAG AA × Fail

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 30.0014, 30.9098, 16.9553 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

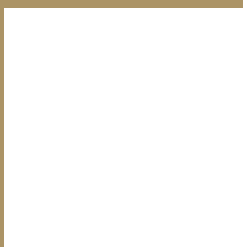
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0014, 30.9098, 16.9553

Background



This preview shows how black text looks on a background with the XYZ color 30.0014, 30.9098, 16.9553.



This preview shows how white text looks on a background with the XYZ color 30.0014, 30.9098,

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

30.0014, 30.9098, 16.9553

Protanopia

28.6190, 30.8990, 17.2877

Deuteranopia

31.6296, 31.0538, 17.1589



Tritanopia

33.5542, 30.9930, 34.3507

Trichromacy



Original Color

30.0014, 30.9098, 16.9553

Protanomaly

29.0804, 30.8990, 17.2634

Deuteranomaly

31.0872, 31.0020, 17.1775

Tritanomaly

31.9555, 30.7817, 26.8115

Monochromacy



Original Color

30.0014, 30.9098, 16.9553

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.0816, 30.4574, 26.5364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0014, 30.9098, 16.9553 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(172, 148, 102)` looks like.

```
.text, #text, p{  
    color:rgb(172, 148, 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(172, 148, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 148, 102) }
```

Border

The CSS property to change the border of an element to XYZ 30.0014, 30.9098, 16.9553 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(172, 148, 102) }
```


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

```
.border{ border-color:rgb(172, 148, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 148, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 148, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 148, 102);  
box-shadow:4px 4px 4px 4px rgb(172, 148,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0014, 30.9098, 16.9553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 148, 102) }
```

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

```
.background{ background-color: rgb(172,  
148, 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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