

Converting Colors

XYZ(31.8115, 31.8122, 14.4018)

Have a look what the booklet for
XYZ(31.8115, 31.8122, 14.4018)
contains.

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Color

**XYZ(31.7696, 31.8802,
14.3766)**

Conversions

Conversions Part 1

Format	Color
Hex	B6945B
RGB	182, 148, 91
RGB Percent	71%, 58%, 36%
CMY	0.2863, 0.4196, 0.6431
CMYK	0.00, 0.19, 0.50, 0.29
HSL	38°, 38%, 54%
HSV	38°, 50%, 71%
XYZ	31.7696, 31.8802, 14.3766
YIQ	151.6680, 38.5610, -10.5190

Conversions

Conversions Part 2

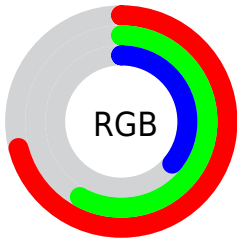
Format	Color
RYB	145, 182, 91
Decimal	11965531
CIELab	63.24, 5.43, 34.78
CIELCh	63, 35.206, 81.126
Yxy	31.8802, 0.4072, 0.4086
Android (android.graphics.Color)	4290155611 (0xFFB6945B)
YUV	151.6680, -29.9093, 26.6012
Hunter-Lab	56.4626, 1.6265, 24.4273

Details

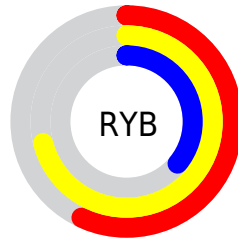
The XYZ color **31.7696, 31.8802, 14.3766** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.0912, 20.2680, 47.1089**, and the grayscale version is **29.8157, 31.3684, 34.1602**.

A 20% lighter version of the original color is **61.9382, 62.7193, 34.4327**, and **13.5561, 13.4218, 4.1617** is the 20% darker color. If you saturate the color by 10%, you get **30.0426, 29.5339, 10.3861**, and if you desaturate by 10%, it is **33.7512, 34.4310, 19.3920**.

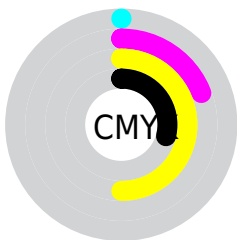
Distribution



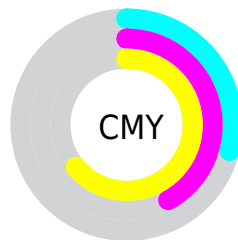
- Red (71%)
- Green (58%)
- Blue (36%)



- Red (57%)
- Yellow (71%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (29%)



- Cyan (29%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7696, 31.8802, 14.3766 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 31.7696, 31.8802, 14.3766 by changing the saturation by 10% instead.

■ 31.7696, 31.8802,
14.3766

■ 31.7696, 31.8802,
14.3766

301.8323,
310.5732, 231.0706

■ 21.3403, 21.2700,
8.2413

■ 61.8174, 62.6232,
34.4825

■ 13.4868, 13.3215,
4.1598

■ 82.1665, 83.5249,
49.2901

■ 7.8439, 7.6503,
1.7134

■ 106.5529,
108.6258, 67.8257

■ 4.0462, 3.8720,
0.3699

■ 135.3421,
138.3103, 90.5077

■ 1.7283, 1.6022,
0.0000

168.8992,
172.9630, 117.7546

■ 0.4739, 0.3591,
0.0000

207.5897,

■ 0.0000, 0.0000,

212.9681, 149.9850

0.0000

251.7790,
258.7100, 187.6175

■ 31.7696, 31.8802,
14.3766

■ 31.7696, 31.8802,
14.3766

■ 30.0426, 29.5339,
10.3861

■ 33.7512, 34.4310,
19.3920

■ 28.5528, 27.3799,
7.3445

■ 35.9988, 37.1889,
25.4970

■ 27.2840, 25.4110,
5.1682

■ 38.5257, 40.1620,
32.7535

■ 26.2163, 23.6176,
3.7579

■ 41.3434, 43.3565,
41.2177

■ 25.3097, 21.9818,
2.9090

■ 44.4630, 46.7785,
50.9425

■ 25.3096, 21.9816,
2.9089

■ 47.8947, 50.4336,
61.9775

■ 51.6483, 54.3270,
74.3695

■ 55.7331, 58.4641,
88.1631

■ 60.1581, 62.8498,
103.4008

Harmonies

Analogous

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



36.5702, 31.8802, 17.7318



31.7696, 31.8802, 14.3766



27.0480, 31.8802, 15.2161

Triad

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



31.7696, 31.8802, 14.3766



22.3747, 31.8802, 45.3098



38.1967, 31.8802, 54.4236

Complementary

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



31.7696, 31.8802, 14.3766



20.0912, 20.2680, 47.1089

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.



33.8052, 31.8802, 66.2408



31.7696, 31.8802, 14.3766



24.7929, 31.8802, 60.0744

Square

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



31.7696, 31.8802, 14.3766



21.9545, 31.8802, 30.7352



28.8787, 31.8802, 68.5477



40.5334, 31.8802, 39.0181

Rectangle

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



31.7696, 31.8802, 14.3766



24.5469, 31.8802, 18.1687



28.8787, 31.8802, 68.5477



36.8910, 31.8802, 59.1022

Sweetspot

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



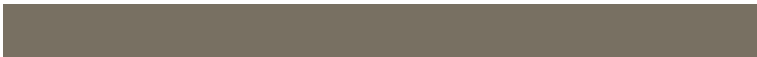
31.7704, 31.8817, 14.3772



72.2041, 75.5112, 66.3847



26.7910, 18.9309, 21.9415



15.7138, 16.4117, 13.9635



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7704, 31.8817, 14.3772



54.1735, 53.1324, 18.1935



35.4945, 42.9121, 16.3100



9.4606, 9.9241, 9.5238



17.9388, 15.6540, 2.0761



0.6897, 0.6664, 0.0923

Inverse Universe

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



20.0912, 20.2680, 47.1089



30.6053, 29.7336, 84.3618



17.6210, 13.6624, 45.9641



8.7886, 9.2545, 11.4025



7.4813, 5.4223, 31.9054



0.3240, 0.3116, 1.1448

Previews

White Background



This preview shows how the XYZ color 31.7696, 31.8802, 14.3766 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 31.7696, 31.8802, 14.3766 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 31.7696, 31.8802, 14.3766

Background



This preview shows how black text looks on a background with the XYZ color 31.7696, 31.8802, 14.3766.



This preview shows how white text looks on a background with the XYZ color 31.7696, 31.8802,

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

31.7696, 31.8802, 14.3766

Protanopia

29.5155, 31.8976, 14.9571

Deuteranopia

32.4169, 31.7522, 14.3178



Tritanopia

35.9314, 32.0081, 33.9902

Trichromacy



Original Color

31.7696, 31.8802, 14.3766

Protanomaly

30.2320, 31.7902, 14.6679

Deuteranomaly

32.3296, 31.9371, 14.3580

Tritanomaly

34.2522, 31.9973, 25.4899

Monochromacy



Original Color

31.7696, 31.8802, 14.3766

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2001, 31.5315, 25.6136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7696, 31.8802, 14.3766 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(182, 148, 91)` looks like.

```
.text, #text, p{  
    color:rgb(182, 148, 91)  
}
```

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(182, 148, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 148, 91) }
```

Border

The CSS property to change the border of an element to XYZ 31.7696, 31.8802, 14.3766 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(182, 148, 91) }
```


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

```
.border{ border-color:rgb(182, 148, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 148, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 148, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 148, 91);  
box-shadow:4px 4px 4px 4px rgb(182, 148,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7696, 31.8802, 14.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 148, 91) }
```

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

```
.background{ background-color: rgb(182,  
148, 91) }
```

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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