

Converting Colors

XYZ(31.8598, 32.5119, 14.1026)

Have a look what the booklet for
XYZ(31.8598, 32.5119, 14.1026)
contains.

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Color

**XYZ(31.7656, 32.3577,
14.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	B59659
RGB	181, 150, 89
RGB Percent	71%, 59%, 35%
CMY	0.2902, 0.4117, 0.6510
CMYK	0.00, 0.17, 0.51, 0.29
HSL	40°, 38%, 53%
HSV	40°, 51%, 71%
XYZ	31.7656, 32.3577, 14.0226
YIQ	152.3150, 38.0570, -12.3990

Conversions

Conversions Part 2

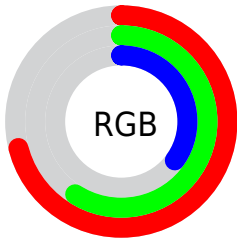
Format	Color
RYB	136, 181, 89
Decimal	11900505
CIELab	63.64, 3.72, 36.31
CIELCh	64, 36.496, 84.151
Yxy	32.3577, 0.4065, 0.4141
Android (android.graphics.Color)	4290090585 (0xFFB59659)
YUV	152.3150, -31.2143, 25.1567
Hunter-Lab	56.8838, 0.1329, 25.2029

Details

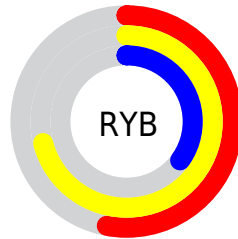
The XYZ color **31.7656, 32.3577, 14.0226** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.1766, 18.8923, 46.3519**, and the grayscale version is **30.1011, 31.6687, 34.4872**.

A 20% lighter version of the original color is **61.9231, 63.4299, 33.7904**, and **13.4663, 13.5194, 3.9976** is the 20% darker color. If you saturate the color by 10%, you get **30.1493, 30.1957, 10.1840**, and if you desaturate by 10%, it is **33.6210, 34.6989, 18.8635**.

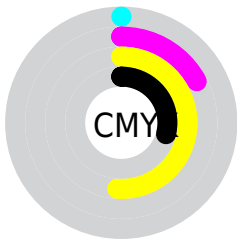
Distribution



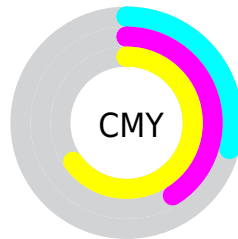
- Red (71%)
- Green (59%)
- Blue (35%)



- Red (53%)
- Yellow (71%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (51%)
- Black (29%)





- Cyan (29%)
- Magenta (41%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7656, 32.3577, 14.0226 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 31.7656, 32.3577, 14.0226 by changing the saturation by 10% instead.


 31.7656, 32.3577,
14.0226


 31.7656, 32.3577,
14.0226


301.8144,
312.7455, 228.8047

 21.3372, 21.6349,
7.9975


 61.8111, 63.3714,
33.8468


 13.4846, 13.5888,
4.0056

 82.1590, 84.4311,
48.4830

 7.8424, 7.8353,
1.6284


 106.5440,
109.7052, 66.8266

 4.0452, 3.9897,
0.3110

 135.3315,
139.5781, 89.2961

 1.7277, 1.6678,
0.0000

 168.8870,
174.4342, 116.3102

 0.4735, 0.4027,
0.0000

207.5757,

 0.0000, 0.0000,

214.6578, 148.2872

0.0000

251.7631,
260.6335, 185.6459

■ 31.7656, 32.3577,
14.0226

■ 31.7656, 32.3577,
14.0226

■ 30.1493, 30.1957,
10.1840

■ 33.6210, 34.6989,
18.8635

■ 28.7551, 28.2010,
7.2721

■ 35.7264, 37.2211,
24.7711

■ 27.5671, 26.3674,
5.2035

■ 38.0948, 39.9319,
31.8064

■ 26.5655, 24.6857,
3.8788

■ 40.7374, 42.8369,
40.0255

■ 25.7748, 23.2613,
3.1314

■ 43.6650, 45.9416,
49.4805

■ 46.8873, 49.2509,
60.2206

■ 50.4140, 52.7698,
72.2922

■ 54.2539, 56.5029,
85.7392

■ 58.4156, 60.4547,
100.6038

Harmonies

Analogous

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



36.8653, 32.3577, 17.0137



31.7656, 32.3577, 14.0226



26.9135, 32.3577, 15.3116

Triad

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



31.7656, 32.3577, 14.0226



22.6442, 32.3577, 48.0219



39.4114, 32.3577, 54.3798

Complementary

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



31.7656, 32.3577, 14.0226



19.1766, 18.8923, 46.3519

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.



34.9457, 32.3577, 67.5875



31.7656, 32.3577, 14.0226



25.3602, 32.3577, 63.2629

Square

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



31.7656, 32.3577, 14.0226



21.9921, 32.3577, 32.4458



29.7661, 32.3577, 71.2215



41.5822, 32.3577, 38.1734

Rectangle

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



31.7656, 32.3577, 14.0226



24.4156, 32.3577, 18.6741



29.7661, 32.3577, 71.2215



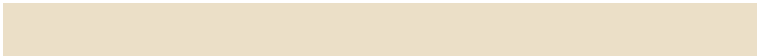
38.1065, 32.3577, 59.4788

Sweetspot

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



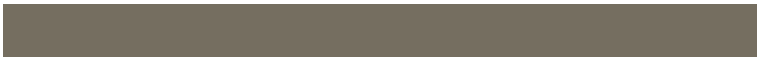
31.7664, 32.3592, 14.0232



70.8049, 74.3755, 64.9068



26.0921, 18.3542, 20.3214



15.0925, 15.8428, 13.3738



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.



31.7664, 32.3592, 14.0232



53.6791, 53.6387, 17.5337



34.3058, 42.0063, 15.7515



8.9511, 9.4147, 8.9980



17.8346, 16.1678, 2.1807



0.6124, 0.6112, 0.0857

Inverse Universe

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



19.1766, 18.8923, 46.3519



28.6364, 26.8954, 81.9766



17.4838, 13.3531, 45.3719



8.2682, 8.6826, 10.7465



6.9577, 4.7157, 30.6805



0.2742, 0.2589, 0.9838

Previews

White Background



This preview shows how the XYZ color 31.7656, 32.3577, 14.0226 looks on a white background.

Color Contrast Check

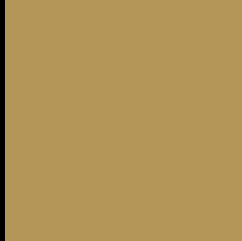
Large Text (above 18pt) WCAG AA × Fail

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 31.7656, 32.3577, 14.0226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

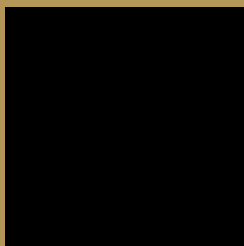
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7656, 32.3577, 14.0226

Background



This preview shows how black text looks on a background with the XYZ color 31.7656, 32.3577, 14.0226.



This preview shows how white text looks on a background with the XYZ color 31.7656, 32.3577,

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

31.7656, 32.3577, 14.0226

Protanopia

29.8061, 32.3015, 14.5614

Deuteranopia

33.0182, 32.2970, 14.1666



Tritanopia

35.9163, 32.2107, 34.4613

Trichromacy



Original Color

31.7656, 32.3577, 14.0226

Protanomaly

30.4703, 32.4049, 14.3217

Deuteranomaly

32.4430, 32.2323, 14.1844

Tritanomaly

34.1622, 32.1768, 25.5293

Monochromacy



Original Color

31.7656, 32.3577, 14.0226

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.1333, 31.5047, 25.2617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7656, 32.3577, 14.0226 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(181, 150, 89)` looks like.

```
.text, #text, p{  
    color:rgb(181, 150, 89)  
}
```

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(181, 150, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 150, 89) }
```

Border

The CSS property to change the border of an element to XYZ 31.7656, 32.3577, 14.0226 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(181, 150, 89) }
```


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

```
.border{ border-color:rgb(181, 150, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 150, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 150, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 150, 89);  
box-shadow:4px 4px 4px 4px rgb(181, 150,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7656, 32.3577, 14.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 150, 89) }
```

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

```
.background{ background-color: rgb(181,  
150, 89) }
```

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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