

Converting Colors

XYZ(31.8447, 30.9223, 13.4291)

Have a look what the booklet for
XYZ(31.8447, 30.9223, 13.4291)
contains.

XYZ(31.9844, 31.0902, 13.5478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9844, 31.0902,
13.5478)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9058
RGB	186, 144, 88
RGB Percent	73%, 56%, 35%
CMY	0.2706, 0.4353, 0.6549
CMYK	0.00, 0.23, 0.53, 0.27
HSL	34°, 42%, 54%
HSV	34°, 53%, 73%
XYZ	31.9844, 31.0902, 13.5478
YIQ	150.1740, 43.0080, -8.5120

Conversions

Conversions Part 2

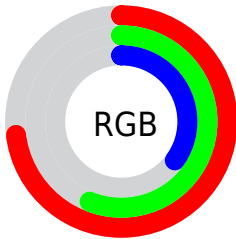
Format	Color
RYB	162, 186, 88
Decimal	12226648
CIELab	62.58, 9.06, 35.64
CIELCh	63, 36.775, 75.744
Yxy	31.0902, 0.4174, 0.4058
Android (android.graphics.Color)	4290416728 (0xFFBA9058)
YUV	150.1740, -30.6518, 31.4194
Hunter-Lab	55.7586, 4.8142, 24.6252

Details

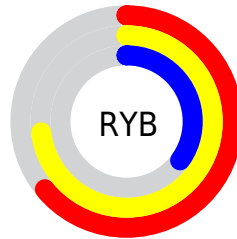
The XYZ color **31.9844, 31.0902, 13.5478** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.8697, 21.5843, 49.5204**, and the grayscale version is **29.1773, 30.6968, 33.4288**.

A 20% lighter version of the original color is **62.1625, 61.4853, 33.0176**, and **13.5916, 12.9044, 3.7819** is the 20% darker color. If you saturate the color by 10%, you get **30.1453, 28.4918, 9.6065**, and if you desaturate by 10%, it is **34.1068, 33.9408, 18.5539**.

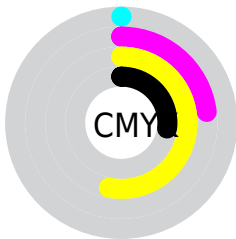
Distribution



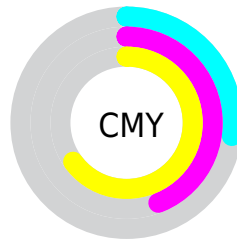
- Red (73%)
- Green (56%)
- Blue (35%)



- Red (64%)
- Yellow (73%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (53%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9844, 31.0902, 13.5478 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 31.9844, 31.0902, 13.5478 by changing the saturation by 10% instead.


 31.9844, 31.0902,
13.5478


 31.9844, 31.0902,
13.5478


302.7947,
306.9537, 225.7290


 21.5051, 20.6675,
7.6717


 62.1520, 61.3821,
32.9900


 13.6083, 12.8812,
3.8009


 82.5710, 82.0200,
47.3931


 7.9286, 7.3468,
1.5167


 107.0339,
106.8319, 65.4757

 4.1007, 3.6799,
0.2303

 135.9061,
136.2021, 87.6563

 1.7593, 1.4962,
0.0000

 169.5529,
170.5150, 114.3533

 0.4929, 0.2860,
0.0000

208.3397,

 0.0000, 0.0000,

210.1549, 145.9854

0.0000

252.6319,
255.5064, 182.9711

■ 31.9844, 31.0902,
13.5478

■ 31.9844, 31.0902,
13.5478

■ 30.1453, 28.4918,
9.6065

■ 34.1068, 33.9408,
18.5539

■ 28.5703, 26.1313,
6.6472

■ 36.5257, 37.0478,
24.6955

■ 27.2408, 23.9998,
4.5776

■ 39.2558, 40.4211,
32.0392

■ 26.1339, 22.0851,
3.2869

■ 42.3102, 44.0685,
40.6460

■ 25.4340, 20.8078,
2.6758

■ 45.7012, 47.9973,
50.5726

■ 49.4404, 52.2145,
61.8724

■ 53.5386, 56.7271,
74.5957

■ 58.0064, 61.5413,
88.7902

■ 62.7889, 66.6377,
104.1608

Harmonies

Analogous

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



36.7889, 31.0902, 17.6986



31.9844, 31.0902, 13.5478



27.0149, 31.0902, 13.6487

Triad

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



31.9844, 31.0902, 13.5478



21.2209, 31.0902, 41.8957



36.9938, 31.0902, 56.9623

Complementary

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



31.9844, 31.0902, 13.5478



20.8697, 21.5843, 49.5204

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.



32.2396, 31.0902, 67.9171



31.9844, 31.0902, 13.5478



23.3295, 31.0902, 57.6813

Square

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



31.9844, 31.0902, 13.5478



21.1690, 31.0902, 27.5076



27.2429, 31.0902, 68.2122



39.8948, 31.0902, 41.1037

Rectangle

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



31.9844, 31.0902, 13.5478



24.2769, 31.0902, 16.0461



27.2429, 31.0902, 68.2122



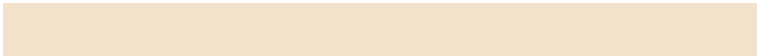
35.5369, 31.0902, 61.5150

Sweetspot

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



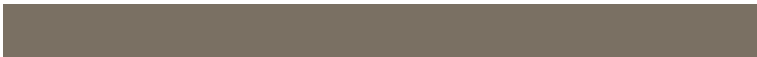
31.9852, 31.0917, 13.5484



74.6405, 77.4540, 67.8227



27.8002, 19.0431, 23.4945



16.1840, 16.7548, 14.2215



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.9852, 31.0917, 13.5484



54.2261, 51.0383, 16.5844



38.0188, 45.4616, 16.0041



9.4191, 9.8412, 9.5100



17.1868, 14.1500, 1.8254



0.6660, 0.6190, 0.0844

Inverse Universe

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



20.8697, 21.5843, 49.5204



31.9722, 32.0348, 88.6996



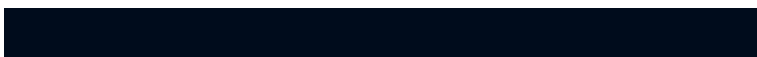
17.0239, 12.9330, 48.0532



8.8291, 9.3353, 11.4160



7.9495, 6.3588, 32.0614



0.3419, 0.3475, 1.1508

Previews

White Background



This preview shows how the XYZ color 31.9844, 31.0902, 13.5478 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 31.9844, 31.0902, 13.5478 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 31.9844, 31.0902, 13.5478

Background



This preview shows how black text looks on a background with the XYZ color 31.9844, 31.0902, 13.5478.



This preview shows how white text looks on a background with the XYZ color 31.9844, 31.0902,

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

31.9844, 31.0902, 13.5478

Protanopia

28.8424, 31.3188, 14.4225

Deuteranopia

31.6540, 31.1457, 13.5759



Tritanopia

35.6980, 31.0743, 31.7202

Trichromacy



Original Color

31.9844, 31.0902, 13.5478

Protanomaly

29.8265, 31.1173, 14.1071

Deuteranomaly

31.8944, 31.2697, 13.5871

Tritanomaly

34.1302, 31.0813, 23.9391

Monochromacy



Original Color

31.9844, 31.0902, 13.5478

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5249, 30.4986, 24.4094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9844, 31.0902, 13.5478 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(186, 144, 88)` looks like.

```
.text, #text, p{  
    color:rgb(186, 144, 88)  
}
```

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(186, 144, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 144, 88) }
```

Border

The CSS property to change the border of an element to XYZ 31.9844, 31.0902, 13.5478 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(186, 144, 88) }
```


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

```
.border{ border-color:rgb(186, 144, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 144, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 144, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 144, 88);  
box-shadow:4px 4px 4px 4px rgb(186, 144,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9844, 31.0902, 13.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 144, 88) }
```

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

```
.background{ background-color: rgb(186,  
144, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor