

Converting Colors

XYZ(33.1925, 31.4950, 13.7666)

Have a look what the booklet for
XYZ(33.1925, 31.4950, 13.7666)
contains.

XYZ(33.1115, 31.4426, 13.7750)	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(33.1115, 31.4426,
13.7750)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8F59
RGB	191, 143, 89
RGB Percent	75%, 56%, 35%
CMY	0.2510, 0.4392, 0.6510
CMYK	0.00, 0.25, 0.53, 0.25
HSL	32°, 44%, 55%
HSV	32°, 53%, 75%
XYZ	33.1115, 31.4426, 13.7750
YIQ	151.1960, 45.9420, -6.6180

Conversions

Conversions Part 2

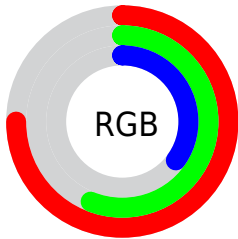
Format	Color
RYB	180, 191, 89
Decimal	12554073
CIELab	62.88, 11.82, 35.60
CIELCh	63, 37.508, 71.633
Yxy	31.4426, 0.4227, 0.4014
Android (android.graphics.Color)	4290744153 (0xFFBF8F59)
YUV	151.1960, -30.6626, 34.9081
Hunter-Lab	56.0737, 7.2752, 24.6865

Details

The XYZ color **33.1115, 31.4426, 13.7750** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.4689, 23.7756, 52.6949**, and the grayscale version is **29.6136, 31.1558, 33.9286**.

A 20% lighter version of the original color is **64.1242, 62.1499, 33.4274**, and **14.3063, 13.1397, 3.8800** is the 20% darker color. If you saturate the color by 10%, you get **31.1157, 28.5724, 9.6531**, and if you desaturate by 10%, it is **35.4250, 34.6153, 19.0300**.

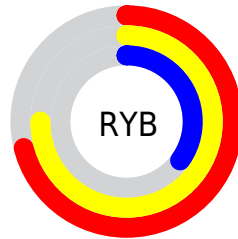
Distribution



Red (75%)

Green (56%)

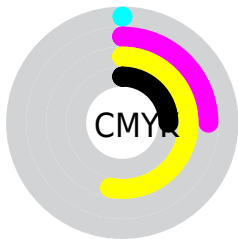
Blue (35%)



Red (71%)

Yellow (75%)

Blue (35%)

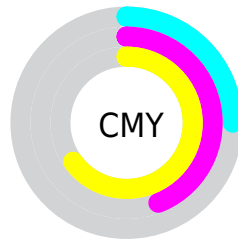


Cyan (0%)

Magenta (25%)

Yellow (53%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1115, 31.4426, 13.7750 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 33.1115, 31.4426, 13.7750 by changing the saturation by 10% instead.


 33.1115, 31.4426,
13.7750


 33.1115, 31.4426,
13.7750


307.8080,
308.5722, 227.2061

 22.3715, 20.9361,
7.8274

 63.9031, 61.9362,
33.4006

 14.2483, 13.0773,
3.8985


 84.6854, 82.6922,
47.9157


 8.3764, 7.4818,
1.5698


 109.5459,
107.6334, 66.1237

 4.3906, 3.7652,
0.2692

 138.8498,
137.1442, 88.4431

 1.9254, 1.5431,
0.0000

 172.9627,
171.6092, 115.2926

 0.5915, 0.3188,
0.0000

212.2497,

 0.0000, 0.0000,

211.4125, 147.0905

0.0000

257.0764,
256.9388, 184.2555

■ 33.1115, 31.4426,
13.7750

■ 33.1115, 31.4426,
13.7750

■ 31.1157, 28.5724,
9.6531

■ 35.4250, 34.6153,
19.0300

■ 29.4164, 25.9886,
6.5749

■ 38.0710, 38.0966,
25.4944

■ 27.9928, 23.6798,
4.4406

■ 41.0661, 41.8982,
33.2399

■ 26.8194, 21.6314,
3.1292

■ 44.4249, 46.0296,
42.3322

■ 26.1517, 20.4083,
2.5608

■ 48.1610, 50.4997,
52.8324

■ 52.2872, 55.3172,
64.7977

■ 56.8160, 60.4903,
78.2822

■ 61.7589, 66.0271,
93.3373

■ 66.1622, 71.5491,
104.9310

Harmonies

Analogous

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



37.9041, 31.4426, 18.6544



33.1115, 31.4426, 13.7750



27.9349, 31.4426, 13.3109

Triad

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



33.1115, 31.4426, 13.7750



21.2067, 31.4426, 40.2708



36.9496, 31.4426, 60.0715

Complementary

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



33.1115, 31.4426, 13.7750



22.4689, 23.7756, 52.6949

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.



31.9243, 31.4426, 70.1499



33.1115, 31.4426, 13.7750



23.0855, 31.4426, 56.7131

Square

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



33.1115, 31.4426, 13.7750



21.4468, 31.4426, 26.0630



26.8757, 31.4426, 68.7697



40.2893, 31.4426, 43.9597

Rectangle

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



33.1115, 31.4426, 13.7750



24.9922, 31.4426, 15.3379



26.8757, 31.4426, 68.7697



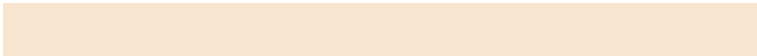
35.3786, 31.4426, 64.4603

Sweetspot

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



33.1123, 31.4441, 13.7756



77.7828, 80.2689, 70.9227



29.6675, 20.0650, 26.4683



16.8018, 17.2848, 14.8165



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.1123, 31.4441, 13.7756



55.2035, 50.3939, 16.2788



41.4946, 48.8399, 16.6915



9.9370, 10.3500, 10.0506



17.2679, 13.5746, 1.7100



0.7414, 0.6617, 0.0886

Inverse Universe

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



22.4689, 23.7756, 52.6949



34.1591, 35.2478, 93.2822



17.2614, 13.1156, 50.9118



9.3767, 9.9457, 12.0977



8.6552, 7.4222, 33.3693



0.4045, 0.4217, 1.3289

Previews

White Background



This preview shows how the XYZ color 33.1115, 31.4426, 13.7750 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 33.1115, 31.4426, 13.7750 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 33.1115, 31.4426, 13.7750

Background



This preview shows how black text looks on a background with the XYZ color 33.1115, 31.4426, 13.7750.



This preview shows how white text looks on a background with the XYZ color 33.1115, 31.4426,

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

33.1115, 31.4426, 13.7750

Protanopia

29.0964, 31.4447, 14.6611

Deuteranopia

31.8944, 31.2697, 13.5871



Tritanopia

36.7574, 31.4194, 31.3214

Trichromacy



Original Color

33.1115, 31.4426, 13.7750

Protanomaly

30.5403, 31.4803, 14.3642

Deuteranomaly

32.2282, 31.2159, 13.5592

Tritanomaly

35.1824, 31.4152, 23.6115

Monochromacy



Original Color

33.1115, 31.4426, 13.7750

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.2121, 30.8453, 24.7835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1115, 31.4426, 13.7750 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(191, 143, 89)` looks like.

```
.text, #text, p{  
    color:rgb(191, 143, 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(191, 143, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 143, 89) }
```

Border

The CSS property to change the border of an element to XYZ 33.1115, 31.4426, 13.7750 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(191, 143, 89) }
```


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

```
.border{ border-color:rgb(191, 143, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 143, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 143, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 143, 89);  
box-shadow:4px 4px 4px 4px rgb(191, 143,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1115, 31.4426, 13.7750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 143, 89) }
```

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

```
.background{ background-color: rgb(191,  
143, 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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