

Converting Colors

XYZ(31.7343, 29.0624, 20.8181)

Have a look what the booklet for
XYZ(31.7343, 29.0624, 20.8181)
contains.

XYZ(31.7822, 29.0830, 20.7681)	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(31.7822, 29.0830,
20.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	B88875
RGB	184, 136, 117
RGB Percent	72%, 53%, 46%
CMY	0.2784, 0.4666, 0.5412
CMYK	0.00, 0.26, 0.36, 0.28
HSL	17°, 32%, 59%
HSV	17°, 36%, 72%
XYZ	31.7822, 29.0830, 20.7681
YIQ	148.1860, 34.7070, 4.2670

Conversions

Conversions Part 2

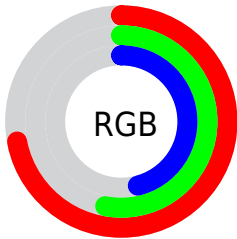
Format	Color
RYB	184, 144, 117
Decimal	12093557
CIELab	60.85, 15.77, 17.38
CIElCh	61, 23.472, 47.777
Yxy	29.0830, 0.3893, 0.3563
Android (android.graphics.Color)	4290283637 (0xFFB88875)
YUV	148.1860, -15.3747, 31.4089
Hunter-Lab	53.9287, 10.8217, 14.9173

Details

The XYZ color **31.7822, 29.0830, 20.7681** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **29.4425, 34.1517, 50.3876**, and the grayscale version is **28.2786, 29.7513, 32.3991**.

A 20% lighter version of the original color is **61.6347, 57.9605, 45.4751**, and **13.4552, 11.7524, 7.1895** is the 20% darker color. If you saturate the color by 10%, you get **29.0614, 25.2058, 15.0382**, and if you desaturate by 10%, it is **34.9455, 33.5047, 27.6953**.

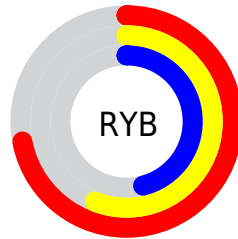
Distribution



Red (72%)

Green (53%)

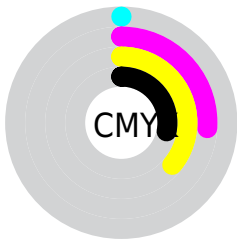
Blue (46%)



Red (72%)

Yellow (56%)

Blue (46%)

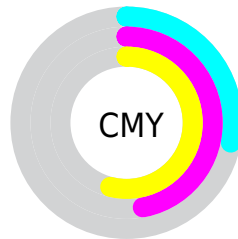


Cyan (0%)

Magenta (26%)

Yellow (36%)

Black (28%)



Cyan (28%)


Magenta (47%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7822, 29.0830, 20.7681 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 31.7822, 29.0830, 20.7681 by changing the saturation by 10% instead.


 31.7822, 29.0830,
20.7681


 31.7822, 29.0830,
20.7681


301.8889,
297.6064, 268.7839


 21.3499, 19.1436,
12.7650


 61.8370, 58.2089,
45.5770

 13.4939, 11.7741,
7.1381


 82.1902, 78.1643,
63.2200

 7.8489, 6.5900,
3.4689


 106.5812,
102.2270, 84.9132

 4.0494, 3.2071,
1.3387

135.3752,
130.7817, 111.0754

 1.7301, 1.2408,
0.0932

168.9376,
164.2125, 142.1250

 0.4750, 0.0946,
0.0000

207.6338,

 0.0000, 0.0000,

202.9040, 178.4806

0.0000

251.8291,
247.2405, 220.5608

■ 31.7822, 29.0830,
20.7681

■ 31.7822, 29.0830,
20.7681

■ 29.0614, 25.2058,
15.0382

■ 34.9455, 33.5047,
27.6953

■ 26.7600, 21.8474,
10.4350

■ 38.5684, 38.4869,
35.8810

■ 24.8563, 18.9862,
6.8835


■ 42.6697, 44.0503,
45.3847


■ 23.3254, 16.5973,
4.2985


■ 47.2666, 50.2130,
56.2613


■ 22.1390, 14.6533,
2.5813


■ 52.3753, 56.9926,
68.5626


 21.2624, 13.1230,
1.6019

 58.0113, 64.4058,
82.3377

 21.0037, 12.6633,
1.3372

 64.1895, 72.4685,
97.6335

 69.4067, 80.5894,
106.5049

 73.4605, 88.6970,
107.8562

Harmonies

Analogous

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



33.6238, 29.0830, 26.8017



31.7822, 29.0830, 20.7681



28.9053, 29.0830, 17.9030

Triad

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



31.7822, 29.0830, 20.7681



22.2884, 29.0830, 28.2355



29.4755, 29.0830, 50.5458

Complementary

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



31.7822, 29.0830, 20.7681



29.4425, 34.1517, 50.3876

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.



26.4170, 29.0830, 51.1243



31.7822, 29.0830, 20.7681



22.4163, 29.0830, 37.0869

Square

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



31.7822, 29.0830, 20.7681



23.5156, 29.0830, 21.6505



23.8789, 29.0830, 45.8341



32.2260, 29.0830, 44.3748

Rectangle

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



31.7822, 29.0830, 20.7681



26.8551, 29.0830, 17.7484



23.8789, 29.0830, 45.8341



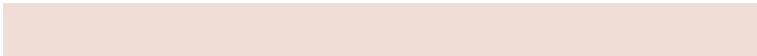
28.4452, 29.0830, 51.4370

Sweetspot

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



31.7830, 29.0844, 20.7687



73.6927, 74.9074, 73.7472



32.9217, 25.6304, 38.8174



15.6728, 15.8583, 15.4035



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.



31.7830, 29.0844, 20.7687



53.4545, 46.8041, 28.8559



37.2562, 40.0309, 22.5931



9.2065, 9.4160, 9.4391



14.5285, 8.8334, 0.9393



0.5666, 0.4203, 0.0513

Inverse Universe

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



29.4425, 34.1517, 50.3876



48.5457, 57.3480, 90.7152



24.1740, 23.6147, 48.6314



9.0456, 9.7684, 11.4882



11.6942, 13.8480, 33.3097



0.4620, 0.5877, 1.1908

Previews

White Background



This preview shows how the XYZ color 31.7822, 29.0830, 20.7681 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7822, 29.0830, 20.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

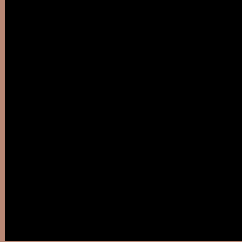
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7822, 29.0830, 20.7681

Background



This preview shows how black text looks on a background with the XYZ color 31.7822, 29.0830, 20.7681.



This preview shows how white text looks on a background with the XYZ color 31.7822, 29.0830,

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

31.7822, 29.0830, 20.7681

Protanopia

27.4641, 29.2411, 22.6089

Deuteranopia

29.6905, 29.0814, 20.5714



Tritanopia

33.6273, 29.0203, 29.4203

Trichromacy



Original Color

31.7822, 29.0830, 20.7681

Protanomaly

28.9385, 29.1080, 21.8625

Deuteranomaly

30.2895, 28.9563, 20.5157

Tritanomaly

32.8709, 28.9076, 26.0375

Monochromacy



Original Color

31.7822, 29.0830, 20.7681

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.1866, 29.3297, 27.7898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7822, 29.0830, 20.7681 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(184, 136, 117)` looks like.

```
.text, #text, p{  
    color:rgb(184, 136, 117)  
}
```

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(184, 136, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 136, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.7822, 29.0830, 20.7681 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(184, 136, 117) }
```


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

```
.border{ border-color:rgb(184, 136, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 136, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 136, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 136, 117);  
box-shadow:4px 4px 4px 4px rgb(184, 136,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7822, 29.0830, 20.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 136, 117) }
```

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

```
.background{ background-color: rgb(184,  
136, 117) }
```

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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