

Converting Colors

XYZ(31.5679, 29.7217, 19.0939)

Have a look what the booklet for
XYZ(31.5679, 29.7217, 19.0939)
contains.

XYZ(31.6303, 29.6802, 19.1007)	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(31.6303, 29.6802,
19.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	B78B6F
RGB	183, 139, 111
RGB Percent	72%, 55%, 44%
CMY	0.2824, 0.4549, 0.5647
CMYK	0.00, 0.24, 0.39, 0.28
HSL	23°, 33%, 58%
HSV	23°, 39%, 72%
XYZ	31.6303, 29.6802, 19.1007
YIQ	148.9640, 35.2120, 0.6200

Conversions

Conversions Part 2

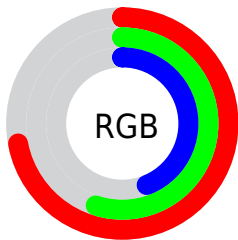
Format	Color
R_{YB}	183, 157, 111
Decimal	12028783
CIE _{Lab}	61.38, 12.97, 21.45
CIE _{LCh}	61, 25.065, 58.844
Yxy	29.6802, 0.3934, 0.3691
Android (android.graphics.Color)	4290218863 (0xFFB78B6F)
YUV	148.9640, -18.7163, 29.8496
Hunter-Lab	54.4795, 8.2962, 17.3484

Details

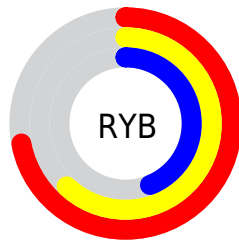
The XYZ color **31.6303, 29.6802, 19.1007** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **26.8237, 30.2400, 49.2229**, and the grayscale version is **28.6184, 30.1088, 32.7885**.

A 20% lighter version of the original color is **61.6160, 59.3095, 42.8507**, and **13.3717, 12.0928, 6.3320** is the 20% darker color. If you saturate the color by 10%, you get **29.1870, 26.2444, 13.8140**, and if you desaturate by 10%, it is **34.4472, 33.5327, 25.5309**.

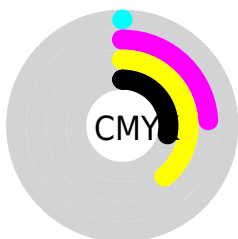
Distribution



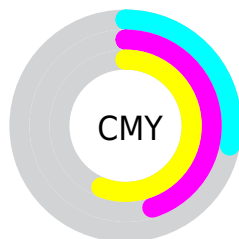
- Red (72%)
- Green (55%)
- Blue (44%)



- Red (72%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (24%)
- Yellow (39%)
- Black (28%)





- Cyan (28%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6303, 29.6802, 19.1007 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 31.6303, 29.6802, 19.1007 by changing the saturation by 10% instead.


 31.6303, 29.6802,
19.1007


 31.6303, 29.6802,
19.1007


301.2070,
300.4109, 259.4453


 21.2335, 19.5960,
11.5655


 61.6002, 59.1561,
42.7432


 13.4082, 12.1017,
6.3296


 81.9039, 79.3165,
59.6875

 7.7892, 6.8130,
2.9745


 106.2407,
103.6045, 80.6053

 4.0110, 3.3454,
1.0816

 134.9758,
132.4043, 105.9151

 1.7084, 1.3146,
0.0000

168.4746,
166.1005, 136.0355

 0.4615, 0.1525,
0.0000

207.1025,

 0.0000, 0.0000,

205.0774, 171.3850

0.0000

251.2249,
249.7194, 212.3821

■ 31.6303, 29.6802,
19.1007

■ 31.6303, 29.6802,
19.1007

■ 29.1870, 26.2444,
13.8140

■ 34.4472, 33.5327,
25.5309

■ 27.0975, 23.2060,
9.6007

■ 37.6517, 37.8118,
33.1658

■ 25.3430, 20.5504,
6.3853


■ 41.2601, 42.5323,
42.0639


■ 23.9023, 18.2604,
4.0818


■ 45.2866, 47.7070,
52.2796

■ 22.7507, 16.3168,
2.5891


■ 49.7450, 53.3481,
63.8642

 21.8466, 14.6931,
1.7191

 54.6482, 59.4673,
76.8660

 21.7929, 14.5963,
1.6687

 60.0088, 66.0760,
91.3310

 65.4495, 73.0294,
105.2543

 68.6343, 79.3991,
106.3159

Harmonies

Analogous

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



34.1561, 29.6802, 24.3015



31.6303, 29.6802, 19.1007



28.3386, 29.6802, 17.3119

Triad

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



31.6303, 29.6802, 19.1007



22.3170, 29.6802, 31.9507



31.3911, 29.6802, 51.0419

Complementary

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



31.6303, 29.6802, 19.1007



26.8237, 30.2400, 49.2229

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.



28.0821, 29.6802, 54.1633



31.6303, 29.6802, 19.1007



22.9977, 29.6802, 41.9249

Square

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



31.6303, 29.6802, 19.1007



23.1098, 29.6802, 23.7791



25.0459, 29.6802, 50.5452



34.0106, 29.6802, 42.6863

Rectangle

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



31.6303, 29.6802, 19.1007



26.2053, 29.6802, 17.9614



25.0459, 29.6802, 50.5452



30.3148, 29.6802, 52.8025

Sweetspot

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



31.6311, 29.6816, 19.1013



71.9761, 73.6794, 70.5499



31.1631, 23.8165, 34.1415



15.7092, 16.0282, 15.1164



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.



31.6311, 29.6816, 19.1013



52.9167, 47.9200, 26.0943



37.6500, 41.7195, 21.1076



9.2834, 9.5697, 9.4648



15.2656, 10.3075, 1.1850



0.5989, 0.4849, 0.0620

Inverse Universe

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



26.8237, 30.2400, 49.2229



43.1134, 49.0290, 87.4269



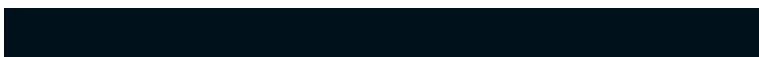
21.7476, 20.0878, 47.5309



8.9655, 9.6082, 11.4615



10.0594, 10.5785, 32.7647



0.4128, 0.4893, 1.1744

Previews

White Background



This preview shows how the XYZ color 31.6303, 29.6802, 19.1007 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 31.6303, 29.6802, 19.1007 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 31.6303, 29.6802, 19.1007

Background



This preview shows how black text looks on a background with the XYZ color 31.6303, 29.6802, 19.1007.



This preview shows how white text looks on a background with the XYZ color 31.6303, 29.6802,

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

31.6303, 29.6802, 19.1007

Protanopia

27.7850, 29.6867, 20.4853

Deuteranopia

30.1667, 29.5858, 18.8725



Tritanopia

33.8856, 29.5336, 30.7027

Trichromacy



Original Color

31.6303, 29.6802, 19.1007

Protanomaly

29.0990, 29.6812, 20.1149

Deuteranomaly

30.6994, 29.6405, 18.8550

Tritanomaly

33.0454, 29.6161, 26.1651

Monochromacy



Original Color

31.6303, 29.6802, 19.1007

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1965, 29.5771, 27.0918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6303, 29.6802, 19.1007 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(183, 139, 111)` looks like.

```
.text, #text, p{  
    color:rgb(183, 139, 111)  
}
```

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(183, 139, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 139, 111) }
```

Border

The CSS property to change the border of an element to XYZ 31.6303, 29.6802, 19.1007 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(183, 139, 111) }
```


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

```
.border{ border-color:rgb(183, 139, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 139, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 139, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 139, 111);  
box-shadow:4px 4px 4px 4px rgb(183, 139,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6303, 29.6802, 19.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 139, 111) }
```

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

```
.background{ background-color: rgb(183,  
139, 111) }
```

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