

# Converting Colors

XYZ(31.1786, 27.4566, 17.0250)

Have a look what the booklet for  
XYZ(31.1786, 27.4566, 17.0250)  
contains.

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# Color

**XYZ(31.1391, 27.4118,  
17.0144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC8169
RGB	188, 129, 105
RGB Percent	74%, 51%, 41%
CMY	0.2627, 0.4941, 0.5882
CMYK	0.00, 0.31, 0.44, 0.26
HSL	17°, 38%, 57%
HSV	17°, 44%, 74%
XYZ	31.1391, 27.4118, 17.0144
YIQ	143.9050, 42.8680, 5.0440

# Conversions

## Conversions Part 2

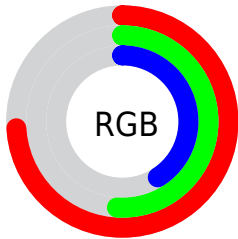
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 139, 105
Decimal	12353897
CIE <sub>Lab</sub>	59.35, 19.89, 22.20
CIE <sub>LCh</sub>	59, 29.802, 48.138
Yxy	27.4118, 0.4121, 0.3628
Android (android.graphics.Color)	4290543977 (0xFFBC8169)
YUV	143.9050, -19.1802, 38.6713
Hunter-Lab	52.3563, 14.5401, 17.3817

# Details

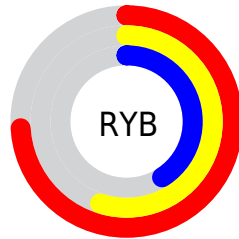
The XYZ color **31.1391, 27.4118, 17.0144** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **28.1777, 33.1836, 52.4968**, and the grayscale version is **26.5343, 27.9161, 30.4007**.

A 20% lighter version of the original color is **60.7347, 55.4490, 38.9542**, and **13.0754, 10.8030, 5.3990** is the 20% darker color. If you saturate the color by 10%, you get **28.6311, 23.7749, 11.9267**, and if you desaturate by 10%, it is **34.0924, 31.5972, 23.3049**.

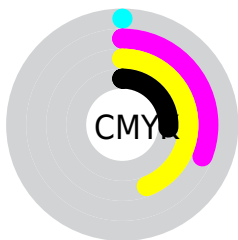
# Distribution



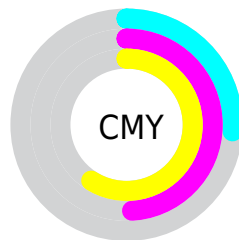
- Red (74%)
- Green (51%)
- Blue (41%)



- Red (74%)
- Yellow (55%)
- Blue (41%)



- Cyan (0%)
- Magenta (31%)
- Yellow (44%)
- Black (26%)




- Cyan (26%)
- Magenta (49%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1391, 27.4118, 17.0144 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 31.1391, 27.4118, 17.0144 by changing the saturation by 10% instead.





 31.1391, 27.4118,  
17.0144


 31.1391, 27.4118,  
17.0144

298.9941,  
289.6455, 247.3021


 20.8571, 17.8827,  
10.0827


 60.8334, 55.5440,  
39.1415


 13.1315, 10.8658,  
5.3475


 80.9764, 74.9159,  
55.1740

 7.5968, 5.9767,  
2.3903


 105.1371, 98.3375,  
75.0772

 3.8877, 2.8309,  
0.7811

 133.6809,  
126.1933, 99.2696

 1.6388, 1.0441,  
0.0000

166.9732,  
158.8675, 128.1697

 0.4175, 0.0000,  
0.0000

205.3792,

 0.0000, 0.0000,

196.7448, 162.1962

0.0000

249.2644,  
240.2093, 201.7674

■ 31.1391, 27.4118,  
17.0144

■ 31.1391, 27.4118,  
17.0144

■ 28.6311, 23.7749,  
11.9267

■ 34.0924, 31.5972,  
23.3049

■ 26.5431, 20.6592,  
7.9622

■ 37.5101, 36.3491,  
30.8676

■ 24.8504, 18.0406,  
5.0342

■ 41.4129, 41.6895,  
39.7682

■ 23.5246, 15.8916,  
3.0425

■ 45.8193, 47.6381,  
50.0676

■ 22.5324, 14.1815,  
1.8664

■ 50.7472, 54.2134,  
61.8231

■ 22.0755, 13.3644,  
1.4161

■ 56.2131, 61.4334,  
75.0884

■ 62.2332, 69.3151,  
89.9146

■ 68.7580, 77.8494,  
106.0102

■ 72.7485, 85.8304,  
107.3404

# Harmonies

## Analogous

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



33.4810, 27.4118, 23.8984



31.1391, 27.4118, 17.0144



27.5562, 27.4118, 13.9207

# Triad

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



31.1391, 27.4118, 17.0144



19.6469, 27.4118, 25.8208



28.3511, 27.4118, 53.9296

# Complementary

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



31.1391, 27.4118, 17.0144



28.1777, 33.1836, 52.4968

# 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.



24.6076, 27.4118, 54.7976



31.1391, 27.4118, 17.0144



19.8157, 27.4118, 36.7084

# Square

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



31.1391, 27.4118, 17.0144



21.0696, 27.4118, 18.1312



21.5552, 27.4118, 47.9057



31.7686, 27.4118, 45.7587



# Rectangle

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



31.1391, 27.4118, 17.0144



25.0520, 27.4118, 13.7818



21.5552, 27.4118, 47.9057



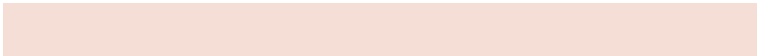
27.0826, 27.4118, 55.1459

# Sweetspot

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



31.1398, 27.4131, 17.0149



75.7627, 76.5175, 73.7110



32.5353, 23.4926, 38.1711



15.9351, 15.9690, 15.0261



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.



31.1398, 27.4131, 17.0149



52.0066, 43.2605, 21.8456



37.6667, 40.4671, 19.1906



9.7489, 9.9738, 9.9880



15.0865, 9.2117, 0.9829



0.6492, 0.4772, 0.0579



# Inverse Universe

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



28.1777, 33.1836, 52.4968



45.9085, 54.9890, 94.4205



21.9839, 20.7962, 50.4323



9.5691, 10.3306, 12.1619



12.0159, 14.1436, 34.4896



0.5242, 0.6612, 1.3688



# Previews

## White Background



This preview shows how the XYZ color 31.1391, 27.4118, 17.0144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

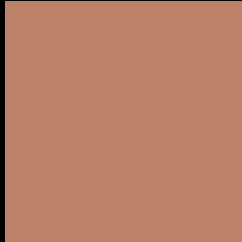
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.1391, 27.4118, 17.0144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

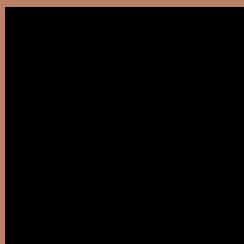
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.1391, 27.4118, 17.0144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.1391, 27.4118, 17.0144.



This preview shows how white text looks on a background with the XYZ color 31.1391, 27.4118,



# 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

31.1391, 27.4118, 17.0144

### Protanopia

25.8286, 27.5649, 18.9982

### Deuteranopia

27.9714, 27.4166, 16.6497



## Tritanopia

33.1225, 27.4648, 26.1097

# Trichromacy



## Original Color

31.1391, 27.4118, 17.0144

## Protanomaly

27.5747, 27.3881, 18.3011

## Deuteranomaly

29.1552, 27.3968, 16.8482

## Tritanomaly

32.2712, 27.2989, 22.3072

# Monochromacy



## Original Color

31.1391, 27.4118, 17.0144

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

27.7591, 27.5505, 24.9738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.1391, 27.4118, 17.0144 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(188, 129, 105)` looks like.

```
.text, #text, p{  
    color:rgb(188, 129, 105)  
}
```

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(188, 129, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 129, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 31.1391, 27.4118, 17.0144 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(188, 129, 105) }
```



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

```
.border{ border-color:rgb(188, 129, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 129, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 129, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 129, 105);  
box-shadow:4px 4px 4px 4px rgb(188, 129,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.1391, 27.4118, 17.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 129, 105) }
```

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

```
.background{ background-color: rgb(188,  
129, 105) }
```

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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