

# Converting Colors

XYZ(30.6447, 27.4099, 14.9468)

Have a look what the booklet for  
XYZ(30.6447, 27.4099, 14.9468)  
contains.

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# Color

**XYZ(30.6338, 27.3931,  
14.9821)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB8261
RGB	187, 130, 97
RGB Percent	73%, 51%, 38%
CMY	0.2667, 0.4902, 0.6196
CMYK	0.00, 0.30, 0.48, 0.27
HSL	22°, 40%, 56%
HSV	22°, 48%, 73%
XYZ	30.6338, 27.3931, 14.9821
YIQ	143.2810, 44.5650, 1.8210

# Conversions

## Conversions Part 2

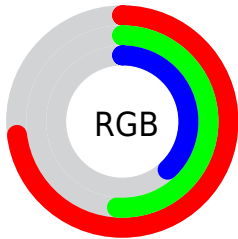
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 149, 97
Decimal	12288609
CIE <sub>Lab</sub>	59.34, 18.09, 26.64
CIE <sub>LCh</sub>	59, 32.198, 55.823
Yxy	27.3931, 0.4196, 0.3752
Android (android.graphics.Color)	4290478689 (0xFFBB8261)
YUV	143.2810, -22.8165, 38.3416
Hunter-Lab	52.3384, 12.8842, 19.6649

# Details

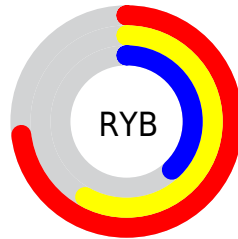
The XYZ color **30.6338, 27.3931, 14.9821** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **25.4545, 29.2392, 51.3157**, and the grayscale version is **26.2972, 27.6667, 30.1291**.

A 20% lighter version of the original color is **59.9350, 55.4176, 35.5547**, and **12.8045, 10.7929, 4.4260** is the 20% darker color. If you saturate the color by 10%, you get **28.3770, 24.1143, 10.4234**, and if you desaturate by 10%, it is **33.2788, 31.1194, 20.6847**.

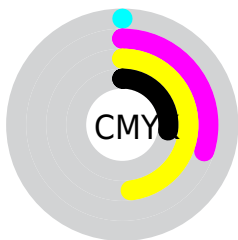
# Distribution



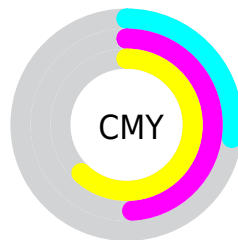
- Red (73%)
- Green (51%)
- Blue (38%)



- Red (73%)
- Yellow (58%)
- Blue (38%)



- Cyan (0%)
- Magenta (30%)
- Yellow (48%)
- Black (27%)




- Cyan (27%)
- Magenta (49%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6338, 27.3931, 14.9821 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 30.6338, 27.3931, 14.9821 by changing the saturation by 10% instead.





 30.6338, 27.3931,  
14.9821


 30.6338, 27.3931,  
14.9821


296.7048,  
289.5554, 234.8949

 20.4706, 17.8687,  
8.6603


 60.0428, 55.5140,  
35.5636


 12.8478, 10.8557,  
4.4265


 80.0194, 74.8793,  
50.6605

 7.4001, 5.9699,  
1.8621


 103.9978, 98.2937,  
69.5195

 3.7621, 2.8268,  
0.4685

 132.3434,  
126.1415, 92.5591

 1.5685, 1.0420,  
0.0000

165.4215,  
158.8072, 120.1979

 0.3717, 0.0000,  
0.0000

203.5976,

 0.0000, 0.0000,

196.6752, 152.8544

0.0000

247.2369,  
240.1298, 190.9473

■ 30.6338, 27.3931,  
14.9821

■ 30.6338, 27.3931,  
14.9821

■ 28.3770, 24.1143,  
10.4234

■ 33.2788, 31.1194,  
20.6847

■ 26.4856, 21.2610,  
6.9278

■ 36.3291, 35.3062,  
27.6013

■ 24.9373, 18.8148,  
4.4061


■ 39.8029, 39.9707,  
35.7981


■ 23.7056, 16.7543,  
2.7538


■ 43.7170, 45.1282,  
45.3362


■ 22.7527, 15.0526,  
1.8068


■ 48.0870, 50.7931,  
56.2725

 22.5955, 14.7689,  
1.6598

 52.9276, 56.9793,  
68.6608

 58.2529, 63.7000,  
82.5519

 64.0766, 70.9679,  
97.9943

 68.7082, 78.1142,  
106.0640

# Harmonies

## Analogous

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



33.6485, 27.3931, 21.1703



30.6338, 27.3931, 14.9821



26.6045, 27.3931, 12.7230

# Triad

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



30.6338, 27.3931, 14.9821



19.0507, 27.3931, 28.2400



29.5578, 27.3931, 54.5786

# Complementary

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



30.6338, 27.3931, 14.9821



25.4545, 29.2392, 51.3157

# 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.



25.4763, 27.3931, 57.8681



30.6338, 27.3931, 14.9821



19.6686, 27.3931, 40.5692

# Square

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



30.6338, 27.3931, 14.9821



20.1401, 27.3931, 19.0210



21.9235, 27.3931, 52.1973



32.9837, 27.3931, 44.1019



# Rectangle

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



30.6338, 27.3931, 14.9821



23.9811, 27.3931, 13.1711



21.9235, 27.3931, 52.1973



28.2057, 27.3931, 56.6608

# Sweetspot

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



30.6345, 27.3944, 14.9826



73.9266, 75.0847, 70.4873



30.6010, 21.4475, 33.0989



15.9533, 16.1029, 14.7319



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.



30.6345, 27.3944, 14.9826



50.5250, 42.7468, 18.0922



37.9811, 42.0878, 17.4315



9.8090, 10.0939, 10.0080



15.6321, 10.3031, 1.1648



0.6753, 0.5296, 0.0666



# Inverse Universe

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



25.4545, 29.2392, 51.3157



40.0861, 46.3775, 91.0404



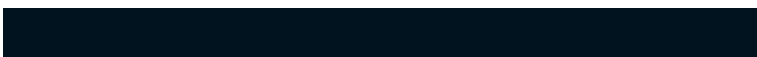
19.3683, 17.0668, 49.2870



9.5064, 10.2052, 12.1410



10.7491, 11.6099, 34.0673



0.4814, 0.5755, 1.3546



# Previews

## White Background



This preview shows how the XYZ color 30.6338, 27.3931, 14.9821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

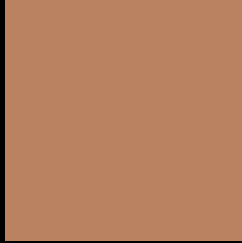
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.6338, 27.3931, 14.9821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

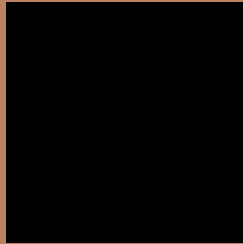
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 30.6338, 27.3931, 14.9821

## Background



This preview shows how black text looks on a background with the XYZ color 30.6338, 27.3931, 14.9821.



This preview shows how white text looks on a background with the XYZ color 30.6338, 27.3931,



# 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

30.6338, 27.3931, 14.9821

### Protanopia

25.5472, 27.4743, 16.5270

### Deuteranopia

28.0702, 27.5065, 14.8962



## Tritanopia

32.8719, 27.3356, 26.0980

# Trichromacy



## Original Color

30.6338, 27.3931, 14.9821

## Protanomaly

27.1146, 27.2040, 15.8784

## Deuteranomaly

28.7679, 27.2418, 14.8083

## Tritanomaly

32.0268, 27.3780, 21.6857

# Monochromacy



## Original Color

30.6338, 27.3931, 14.9821

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

27.1524, 27.0542, 23.5296

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6338, 27.3931, 14.9821 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(187, 130, 97)` looks like.

```
.text, #text, p{  
    color:rgb(187, 130, 97)  
}
```

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(187, 130, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 130, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6338, 27.3931, 14.9821 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(187, 130, 97) }
```



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

```
.border{ border-color:rgb(187, 130, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 130, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 130, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 130, 97);  
box-shadow:4px 4px 4px 4px rgb(187, 130,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6338, 27.3931, 14.9821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 130, 97) }
```

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

```
.background{ background-color: rgb(187,  
130, 97) }
```

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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