

# Converting Colors

XYZ(29.0342, 29.6798, 18.6665)

Have a look what the booklet for  
XYZ(29.0342, 29.6798, 18.6665)  
contains.

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# Color

**XYZ(29.0342, 29.6798,  
18.6665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8916D
RGB	168, 145, 109
RGB Percent	66%, 57%, 43%
CMY	0.3412, 0.4314, 0.5725
CMYK	0.00, 0.14, 0.35, 0.34
HSL	37°, 25%, 54%
HSV	37°, 35%, 66%
XYZ	29.0342, 29.6798, 18.6665
YIQ	147.7730, 25.2640, -6.3200

# Conversions

## Conversions Part 2

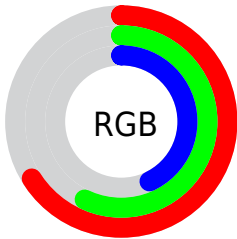
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 168, 109
Decimal	11047277
CIE <sub>Lab</sub>	61.38, 3.22, 22.30
CIE <sub>LCh</sub>	61, 22.535, 81.790
Yxy	29.6798, 0.3752, 0.3836
Android (android.graphics.Color)	4289237357 (0xFFA8916D)
YUV	147.7730, -19.1151, 17.7391
Hunter-Lab	54.4792, -0.2085, 17.8206

# Details

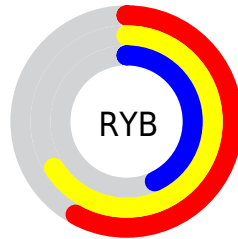
The XYZ color **29.0342, 29.6798, 18.6665** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.6256, 22.5802, 40.2645**, and the grayscale version is **28.1241, 29.5888, 32.2222**.

A 20% lighter version of the original color is **57.5969, 59.2674, 42.1223**, and **12.0047, 12.1662, 6.1305** is the 20% darker color. If you saturate the color by 10%, you get **27.2432, 27.4093, 14.0261**, and if you desaturate by 10%, it is **31.0573, 32.1376, 24.2378**.

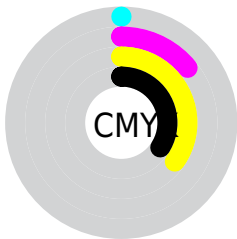
# Distribution



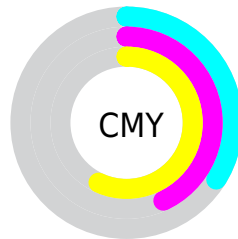
- Red (66%)
- Green (57%)
- Blue (43%)



- Red (58%)
- Yellow (66%)
- Blue (43%)



- Cyan (0%)
- Magenta (14%)
- Yellow (35%)
- Black (34%)



- Cyan (34%)
- Magenta (43%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0342, 29.6798, 18.6665 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 29.0342, 29.6798, 18.6665 by changing the saturation by 10% instead.



■ 29.0342, 29.6798,  
18.6665

■ 29.0342, 29.6798,  
18.6665

289.3676,  
300.4091, 256.9625

■ 19.2511, 19.5957,  
11.2552

■ 57.5286, 59.1554,  
41.9990

■ 11.9569, 12.1015,  
6.1224

■ 76.9706, 79.3157,  
58.7572

■ 6.7864, 6.8128,  
2.8497

■ 100.3630,  
103.6035, 79.4681

■ 3.3740, 3.3453,  
1.0184

■ 128.0711,  
132.4032, 104.5503

■ 1.3545, 1.3146,  
0.0000

160.4602,  
166.0993, 134.4223

■ 0.2234, 0.1524,  
0.0000

197.8958,

■ 0.0000, 0.0000,

205.0760, 169.5027

0.0000

240.7431,  
249.7178, 210.2099

■ 29.0342, 29.6798,  
18.6665

■ 29.0342, 29.6798,  
18.6665

■ 27.2432, 27.4093,  
14.0261

■ 31.0573, 32.1376,  
24.2378

■ 25.6711, 25.3160,  
10.2623

■ 33.3203, 34.7840,  
30.7864

■ 24.3069, 23.3951,  
7.3183

■ 35.8332, 37.6257,  
38.3577

■ 23.1374, 21.6396,  
5.1293

■ 38.6050, 40.6676,  
46.9938

■ 22.1473, 20.0418,  
3.6209

■ 41.6439, 43.9145,  
56.7344

■ 21.3182, 18.5925,  
2.7006

■ 44.9580, 47.3709,  
67.6171

■ 20.9511, 17.9300,  
2.3566

■ 48.5548, 51.0411,  
79.6778

■ 52.4415, 54.9296,  
92.9507

■ 55.7764, 58.7006,  
102.9984

# Harmonies

## Analogous

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



31.8966, 29.6798, 21.0808



29.0342, 29.6798, 18.6665



26.1399, 29.6798, 19.3703

# Triad

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



29.0342, 29.6798, 18.6665



23.2263, 29.6798, 38.7845



32.9456, 29.6798, 43.5410

# Complementary

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



29.0342, 29.6798, 18.6665



21.6256, 22.5802, 40.2645

# 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.



30.3861, 29.6798, 50.0324



29.0342, 29.6798, 18.6665



24.8186, 29.6798, 46.9676

# Square

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



29.0342, 29.6798, 18.6665



22.9202, 29.6798, 30.0337



27.4011, 29.6798, 51.3858



34.2563, 29.6798, 34.7116



# Rectangle

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



29.0342, 29.6798, 18.6665



24.5681, 29.6798, 21.5794



27.4011, 29.6798, 51.3858



32.1945, 29.6798, 46.1287

# Sweetspot

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



29.0350, 29.6812, 18.6671



62.1955, 65.0975, 61.0218



25.8234, 20.9449, 24.7277



13.4303, 14.0456, 12.9242



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



29.0350, 29.6812, 18.6671



50.1634, 50.6764, 27.2827



31.6837, 36.8014, 19.9018



7.8977, 8.2754, 7.9703



15.8723, 13.6418, 1.7966



0.4337, 0.4269, 0.0595



# Inverse Universe

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



21.6256, 22.5802, 40.2645



34.7209, 35.8849, 72.3216



19.5939, 17.4029, 39.3722



7.3626, 7.7622, 9.5285



6.8327, 5.1255, 28.6047

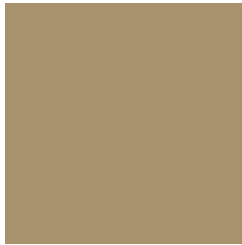


0.2162, 0.2246, 0.7126



# Previews

## White Background



This preview shows how the XYZ color 29.0342, 29.6798, 18.6665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

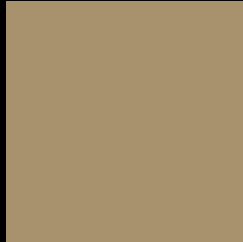
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.0342, 29.6798, 18.6665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

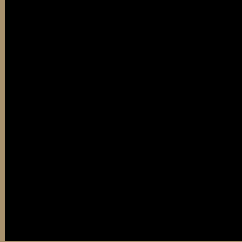
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.0342, 29.6798, 18.6665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0342, 29.6798, 18.6665.



This preview shows how white text looks on a background with the XYZ color 29.0342, 29.6798,

18.6665.

# 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

29.0342, 29.6798, 18.6665

### Protanopia

27.7025, 29.6765, 19.0199

### Deuteranopia

30.1667, 29.5858, 18.8725



## Tritanopia

31.8964, 29.7288, 32.9113

# Trichromacy



## Original Color

29.0342, 29.6798, 18.6665

## Protanomaly

28.1485, 29.6746, 18.9960

## Deuteranomaly

29.6502, 29.5414, 18.8912

## Tritanomaly

30.8408, 29.7532, 27.0391

# Monochromacy



## Original Color

29.0342, 29.6798, 18.6665

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

28.2544, 29.5572, 26.7702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0342, 29.6798, 18.6665 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(168, 145, 109)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 109)  
}
```

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(168, 145, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0342, 29.6798, 18.6665 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(168, 145, 109) }
```



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

```
.border{ border-color:rgb(168, 145, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 145, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 109);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0342, 29.6798, 18.6665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 109) }
```

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

```
.background{ background-color: rgb(168,  
145, 109) }
```

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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