

# Converting Colors

XYZ(42.1873, 37.7327, 17.6001)

Have a look what the booklet for  
XYZ(42.1873, 37.7327, 17.6001)  
contains.

<b>XYZ(42.2181, 37.6774, 17.6177)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.2181, 37.6774,  
17.6177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA9666
RGB	218, 150, 102
RGB Percent	85%, 59%, 40%
CMY	0.1451, 0.4117, 0.6000
CMYK	0.00, 0.31, 0.53, 0.15
HSL	25°, 61%, 63%
HSV	25°, 53%, 85%
XYZ	42.2181, 37.6774, 17.6177
YIQ	164.8600, 55.9360, -0.5120

# Conversions

## Conversions Part 2

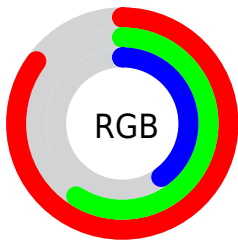
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 184, 102
Decimal	14325350
CIE <sub>Lab</sub>	67.78, 20.37, 35.47
CIE <sub>LCh</sub>	68, 40.900, 60.136
Yxy	37.6774, 0.4329, 0.3864
Android (android.graphics.Color)	4292515430 (0xFFDA9666)
YUV	164.8600, -30.9900, 46.6038
Hunter-Lab	61.3819, 15.3528, 25.9501

# Details

The XYZ color **42.2181, 37.6774, 17.6177** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.5085, 36.6347, 71.6874**, and the grayscale version is **35.8230, 37.6885, 41.0428**.

A 20% lighter version of the original color is **68.6656, 66.7788, 39.8424**, and **19.6249, 16.6636, 5.6721** is the 20% darker color. If you saturate the color by 10%, you get **39.3468, 33.4436, 12.0100**, and if you desaturate by 10%, it is **45.5978, 42.4734, 24.7980**.

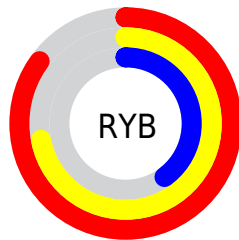
# Distribution



Red (85%)

Green (59%)

Blue (40%)



Red (85%)

Yellow (72%)

Blue (40%)

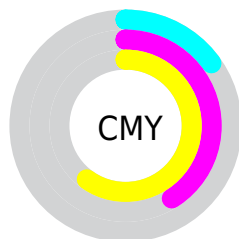


Cyan (0%)

Magenta (31%)

Yellow (53%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2181, 37.6774, 17.6177 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 42.2181, 37.6774, 17.6177 by changing the saturation by 10% instead.



42.2181, 37.6774,  
17.6177

42.2181, 37.6774,  
17.6177

346.3625,  
336.2341, 250.8706

29.4640, 25.7324,  
10.5093

77.7927, 71.6134,  
40.1899

19.5781, 16.6236,  
5.6279

101.3439, 94.3732,  
56.4908

12.1952, 9.9665,  
2.5551

129.2248,  
121.5067, 76.6929

6.9499, 5.3767,  
0.8691

161.8007,  
153.3984, 101.2147

3.4769, 2.4700,  
0.0000

199.4371,  
190.4325, 130.4749

1.4107, 0.8615,  
0.0000

242.4993,

0.2638, 0.0000,

232.9936, 164.8919

0.0000

291.3527,  
281.4660, 204.8843

■ 0.0000, 0.0000,  
0.0000

■ 42.2181, 37.6774,  
17.6177

■ 42.2181, 37.6774,  
17.6177

■ 39.3468, 33.4436,  
12.0100

■ 45.5978, 42.4734,  
24.7980

■ 36.9514, 29.7431,  
7.8502

■ 49.5104, 47.8477,  
33.6580

■ 34.9990, 26.5523,  
4.9981

■ 53.9818, 53.8226,  
44.2978

■ 33.4498, 23.8426,  
3.2836

■ 59.0351, 60.4172,  
56.8091

■ 32.5878, 22.2542,  
2.5779

■ 64.6921, 67.6500,  
71.2771

■ 70.9736, 75.5384,  
87.7819

■ 77.8990, 84.0992,  
106.3988

■ 81.8470, 91.8926,  
108.0310

■ 82.7234, 93.6454,  
108.3231

# Harmonies

## Analogous

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



47.3985, 37.6774, 25.8985



42.2181, 37.6774, 17.6177



35.7824, 37.6774, 15.1129

# Triad

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



42.2181, 37.6774, 17.6177



24.9698, 37.6774, 41.1069



42.2738, 37.6774, 79.1430

# Complementary

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



42.2181, 37.6774, 17.6177



32.5085, 36.6347, 71.6874

# 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.



35.8401, 37.6774, 86.6685



42.2181, 37.6774, 17.6177



26.2854, 37.6774, 61.1238

# Square

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



42.2181, 37.6774, 17.6177



26.2619, 37.6774, 26.0039



30.0877, 37.6774, 79.2710



47.4332, 37.6774, 60.9375



# Rectangle

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



42.2181, 37.6774, 17.6177



31.7838, 37.6774, 16.2340



30.0877, 37.6774, 79.2710



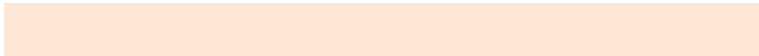
40.1653, 37.6774, 83.2091

# Sweetspot

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



42.2190, 37.6793, 17.6184



82.0027, 83.3244, 75.5135



41.0730, 27.3717, 41.9474



17.2277, 17.4127, 15.3574



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



42.2190, 37.6793, 17.6184



55.6194, 46.9419, 16.2087



53.4795, 60.2002, 21.3719



13.4965, 13.9323, 13.7034



19.6240, 13.5335, 1.5779



1.3550, 1.0441, 0.1301



# Inverse Universe

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



32.5085, 36.6347, 71.6874



40.3122, 45.2221, 101.2118



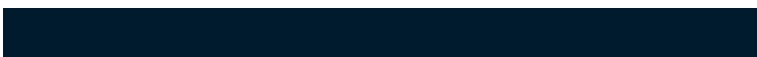
24.1070, 19.8317, 68.8869



12.9697, 13.8792, 16.6475



12.2978, 12.4650, 41.4962



0.8809, 0.9760, 2.7164



# Previews

## White Background



This preview shows how the XYZ color 42.2181, 37.6774, 17.6177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

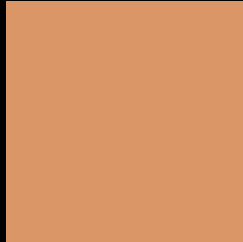
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2181, 37.6774, 17.6177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

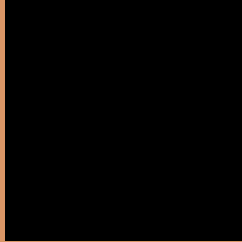
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.2181, 37.6774, 17.6177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2181, 37.6774, 17.6177.



This preview shows how white text looks on a background with the XYZ color 42.2181, 37.6774,



# 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

42.2181, 37.6774, 17.6177

### Protanopia

34.9843, 37.6963, 19.6196

### Deuteranopia

38.6145, 37.7913, 17.3158



## Tritanopia

45.7794, 37.5076, 35.3987

# Trichromacy



## Original Color

42.2181, 37.6774, 17.6177

## Protanomaly

37.4205, 37.6516, 18.9309

## Deuteranomaly

39.8024, 37.6477, 17.4808

## Tritanomaly

44.4709, 37.6792, 27.8506

# Monochromacy



## Original Color

42.2181, 37.6774, 17.6177

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

37.2205, 37.2850, 30.8262

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2181, 37.6774, 17.6177 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(218, 150, 102)` looks like.

```
.text, #text, p{  
    color:rgb(218, 150, 102)  
}
```

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(218, 150, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 150, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2181, 37.6774, 17.6177 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(218, 150, 102) }
```



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

```
.border{ border-color:rgb(218, 150, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 150, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 150, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 150, 102);  
box-shadow:4px 4px 4px 4px rgb(218, 150,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2181, 37.6774, 17.6177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 150, 102) }
```

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

```
.background{ background-color: rgb(218,  
150, 102) }
```

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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