

# Converting Colors

XYZ(37.8222, 36.3766, 21.9496)

Have a look what the booklet for  
XYZ(37.8222, 36.3766, 21.9496)  
contains.

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# Color

**XYZ(37.7924, 36.2659,  
21.8378)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59A75
RGB	197, 154, 117
RGB Percent	77%, 60%, 46%
CMY	0.2275, 0.3961, 0.5412
CMYK	0.00, 0.22, 0.41, 0.23
HSL	28°, 41%, 62%
HSV	28°, 41%, 77%
XYZ	37.7924, 36.2659, 21.8378
YIQ	162.6390, 37.5050, -2.3910

# Conversions

## Conversions Part 2

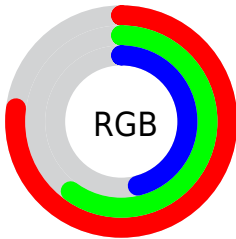
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 186, 117
Decimal	12950133
CIELab	66.72, 11.11, 25.55
CIElCh	67, 27.865, 66.508
Yxy	36.2659, 0.3941, 0.3782
Android (android.graphics.Color)	4291140213 (0xFFC59A75)
YUV	162.6390, -22.5000, 30.1346
Hunter-Lab	60.2212, 6.6324, 20.6547

# Details

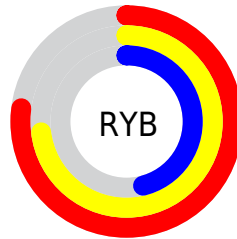
The XYZ color **37.7924, 36.2659, 21.8378** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.9844, 32.9534, 57.6034**, and the grayscale version is **34.7336, 36.5425, 39.7948**.

A 20% lighter version of the original color is **70.9573, 69.2363, 47.1602**, and **16.8781, 15.7806, 7.6252** is the 20% darker color. If you saturate the color by 10%, you get **35.0829, 32.5096, 15.8090**, and if you desaturate by 10%, it is **40.9016, 40.4315, 29.2031**.

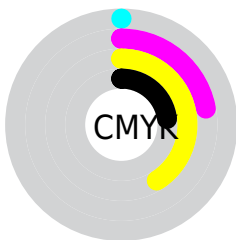
# Distribution



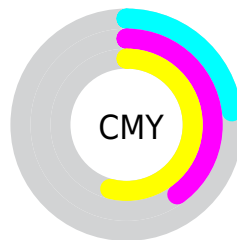
- Red (77%)
- Green (60%)
- Blue (46%)



- Red (77%)
- Yellow (73%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (41%)
- Black (23%)




- Cyan (23%)
- Magenta (40%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7924, 36.2659, 21.8378 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 37.7924, 36.2659, 21.8378 by changing the saturation by 10% instead.





 37.7924, 36.2659,  
21.8378


 37.7924, 36.2659,  
21.8378

328.0249,  
330.1213, 274.6239


 25.9981, 24.6396,  
13.5406


 71.0958, 69.4423,  
47.3765

 16.9549, 15.8088,  
7.6668


 93.3356, 91.7612,  
65.4551

 10.2974, 9.3889,  
3.7978


 119.7879,  
118.4131, 87.6312

 5.6604, 4.9957,  
1.5151

150.8181,  
149.7823, 114.3234

 2.6784, 2.2448,  
0.2291

186.7915,  
186.2534, 145.9503

 0.9861, 0.7442,  
0.0000

228.0736,

 0.0000, 0.0000,

228.2106, 182.9303

0.0000

275.0296,  
276.0385, 225.6819

■ 37.7924, 36.2659,  
21.8378

■ 37.7924, 36.2659,  
21.8378

■ 35.0829, 32.5096,  
15.8090

■ 40.9016, 40.4315,  
29.2031

■ 32.7511, 29.1432,  
11.0321

■ 44.4258, 45.0144,  
37.9782

■ 30.7764, 26.1535,  
7.4159

■ 48.3824, 50.0290,  
48.2335

■ 29.1351, 23.5239,  
4.8558

■ 52.7873, 55.4872,  
60.0340

■ 27.7994, 21.2361,  
3.2278

■ 57.6552, 61.4005,  
73.4410

■ 26.7775, 19.3736,  
2.3282

■ 63.0002, 67.7798,  
88.5122

■ 68.8359, 74.6359,  
105.3026

■ 71.8563, 80.6512,  
106.3877

■ 75.0423, 87.0232,  
107.4497

# Harmonies

## Analogous

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



41.3816, 36.2659, 27.2568



37.7924, 36.2659, 21.8378



33.5618, 36.2659, 20.6674

# Triad

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



37.7924, 36.2659, 21.8378



27.0478, 36.2659, 42.1690



39.5044, 36.2659, 61.1640

# Complementary

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



37.7924, 36.2659, 21.8378



29.9844, 32.9534, 57.6034

# 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.



35.3937, 36.2659, 67.2345



37.7924, 36.2659, 21.8378



28.3737, 36.2659, 54.9188

# Square

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



37.7924, 36.2659, 21.8378



27.5768, 36.2659, 30.9615



31.3476, 36.2659, 64.7432



42.4249, 36.2659, 49.4503



# Rectangle

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



37.7924, 36.2659, 21.8378



30.9872, 36.2659, 22.1864



31.3476, 36.2659, 64.7432



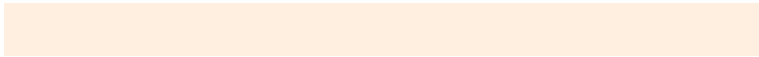
38.2037, 36.2659, 64.0302

# Sweetspot

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



37.7933, 36.2676, 21.8385



85.4850, 88.1359, 83.3122



35.8204, 27.1664, 37.0741



18.0900, 18.6036, 17.2895



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.



37.7933, 36.2676, 21.8385



63.2231, 58.7740, 29.1490



45.3067, 51.2944, 24.3430



11.0314, 11.4320, 11.1879



17.6947, 12.9065, 1.5586



0.9101, 0.7557, 0.0979

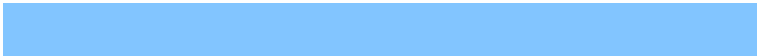


# Inverse Universe

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



29.9844, 32.9534, 57.6034



47.2760, 51.9947, 102.1520



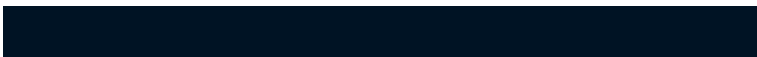
24.2519, 21.4883, 55.6925



10.5209, 11.2158, 13.5278



10.0948, 9.5835, 36.0621

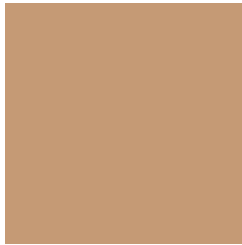


0.5499, 0.5976, 1.7315



# Previews

## White Background



This preview shows how the XYZ color 37.7924, 36.2659, 21.8378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

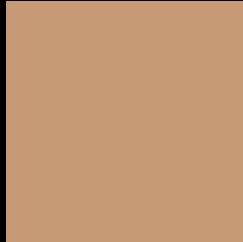
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7924, 36.2659, 21.8378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

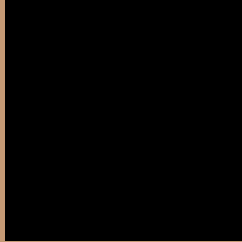
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.7924, 36.2659, 21.8378**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7924, 36.2659, 21.8378.



This preview shows how white text looks on a background with the XYZ color 37.7924, 36.2659,



# 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

37.7924, 36.2659, 21.8378

### Protanopia

33.8271, 36.2198, 23.2974

### Deuteranopia

37.0917, 36.3987, 21.9003



## Tritanopia

41.0225, 36.1354, 38.0704

# Trichromacy



**Original Color**

37.7924, 36.2659, 21.8378

**Protanomaly**

35.0797, 36.0974, 22.8879

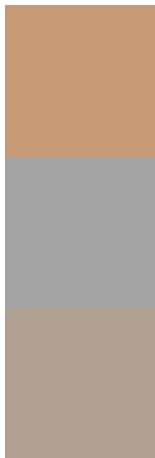
**Deuteranomaly**

37.1804, 36.1964, 21.8566

**Tritanomaly**

39.7598, 36.1057, 31.2591

# Monochromacy



**Original Color**

37.7924, 36.2659, 21.8378

**Achromatopsia**

34.8123, 36.6253, 39.8849

**Achromatomaly**

35.4383, 36.3309, 32.3389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7924, 36.2659, 21.8378 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(197, 154, 117)` looks like.

```
.text, #text, p{  
    color:rgb(197, 154, 117)  
}
```

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(197, 154, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 154, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7924, 36.2659, 21.8378 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(197, 154, 117) }
```



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

```
.border{ border-color:rgb(197, 154, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 154, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 154, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 154, 117); box-shadow:4px 4px 4px 4px rgb(197, 154, 117) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7924, 36.2659, 21.8378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 154, 117) }
```

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

```
.background{ background-color: rgb(197,  
154, 117) }
```

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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