

# Converting Colors

XYZ(37.3744, 32.8313, 20.5869)

Have a look what the booklet for  
XYZ(37.3744, 32.8313, 20.5869)  
contains.

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# Color

**XYZ(37.3744, 32.8313,  
20.5869)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8C73
RGB	204, 140, 115
RGB Percent	80%, 55%, 45%
CMY	0.2000, 0.4510, 0.5490
CMYK	0.00, 0.31, 0.44, 0.20
HSL	17°, 47%, 63%
HSV	17°, 44%, 80%
XYZ	37.3744, 32.8313, 20.5869
YIQ	156.2860, 46.1690, 5.7930

# Conversions

## Conversions Part 2

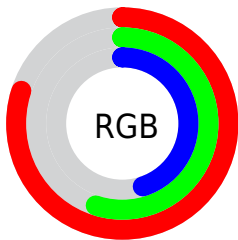
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 150, 115
Decimal	13405299
CIE <sub>Lab</sub>	64.02, 21.38, 23.18
CIE <sub>LCh</sub>	64, 31.535, 47.317
Yxy	32.8313, 0.4116, 0.3616
Android (android.graphics.Color)	4291595379 (0xFFCC8C73)
YUV	156.2860, -20.3540, 41.8452
Hunter-Lab	57.2986, 16.1584, 18.8066

# Details

The XYZ color **37.3744, 32.8313, 20.5869** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.0887, 40.2430, 63.0976**, and the grayscale version is **31.8021, 33.4582, 36.4360**.

A 20% lighter version of the original color is **67.5068, 62.6336, 45.0907**, and **16.6181, 13.7530, 7.0889** is the 20% darker color. If you saturate the color by 10%, you get **34.3256, 28.4090, 14.4060**, and if you desaturate by 10%, it is **40.9704, 37.9322, 28.2324**.

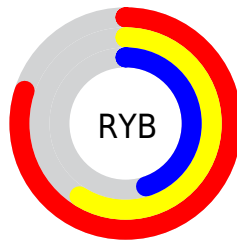
# Distribution



Red (80%)

Green (55%)

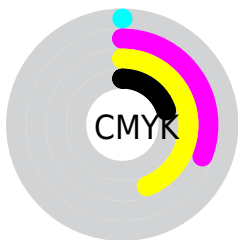
Blue (45%)



Red (80%)

Yellow (59%)

Blue (45%)

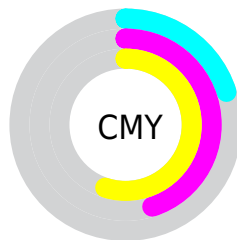


Cyan (0%)

Magenta (31%)

Yellow (44%)

Black (20%)



Cyan (20%)

Magenta (45%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3744, 32.8313, 20.5869 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 37.3744, 32.8313, 20.5869 by changing the saturation by 10% instead.





 37.3744, 32.8313,  
20.5869


 37.3744, 32.8313,  
20.5869


326.2561,  
314.8889, 267.7834

 25.6725, 21.9972,  
12.6341


 70.4583, 64.1121,  
45.2708

 16.7102, 13.8549,  
7.0493


 92.5711, 85.3275,  
62.8390

 10.1221, 8.0198,  
3.4140


 118.8849,  
110.7723, 84.4494

 5.5429, 4.1076,  
1.3097

149.7650,  
140.8307, 110.5206

 2.6072, 1.7339,  
0.0697

185.5768,  
175.8872, 141.4710

 0.9496, 0.4455,  
0.0000

226.6857,

 0.0000, 0.0000,

216.3261, 177.7193

0.0000

273.4570,  
262.5319, 219.6839

■ 37.3744, 32.8313,  
20.5869

■ 37.3744, 32.8313,  
20.5869

■ 34.3256, 28.4090,  
14.4060

■ 40.9704, 37.9322,  
28.2324

■ 31.7929, 24.6311,  
9.5928

■ 45.1375, 43.7345,  
37.4269

■ 29.7458, 21.4675,  
6.0415


■ 49.9010, 50.2655,  
48.2509


■ 28.1490, 18.8836,  
3.6298

■ 55.2840, 57.5500,  
60.7785


■ 26.9616, 16.8407,  
2.2104

■ 61.3083, 65.6111,  
75.0794

 26.3805, 15.7947,  
1.6583

 67.9946, 74.4714,  
91.2191

 74.9084, 83.9705,  
106.8676

 78.7118, 91.5773,  
108.1354

# Harmonies

## Analogous

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



40.1097, 32.8313, 28.9367



37.3744, 32.8313, 20.5869



33.1222, 32.8313, 16.7704

# Triad

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



37.3744, 32.8313, 20.5869



23.5780, 32.8313, 30.6318



33.8227, 32.8313, 64.6250

# Complementary

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



37.3744, 32.8313, 20.5869



34.0887, 40.2430, 63.0976

# 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.



29.3636, 32.8313, 65.3894



37.3744, 32.8313, 20.5869



23.7269, 32.8313, 43.5515

# Square

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



37.3744, 32.8313, 20.5869



25.3269, 32.8313, 21.5724



25.7552, 32.8313, 56.9634



37.9291, 32.8313, 55.0725



# Rectangle

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



37.3744, 32.8313, 20.5869



30.1277, 32.8313, 16.5310



25.7552, 32.8313, 56.9634



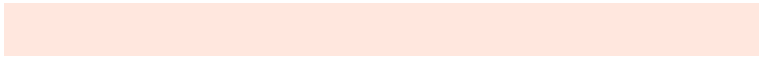
32.3080, 32.8313, 65.9871

# Sweetspot

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



37.3752, 32.8329, 20.5875



83.0264, 83.7693, 80.7950



39.2981, 28.4053, 46.7342



17.3725, 17.3868, 16.3779



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.



37.3752, 32.8329, 20.5875



57.2886, 47.6968, 24.7295



44.9780, 48.0385, 23.1218



11.4647, 11.7183, 11.7370



16.6728, 10.0786, 1.0666



0.9254, 0.6504, 0.0768

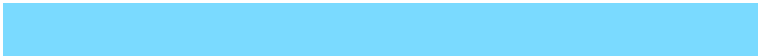


# Inverse Universe

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



34.0887, 40.2430, 63.0976



51.1384, 61.3981, 103.7635



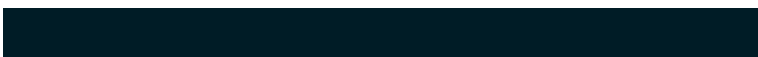
26.7409, 25.5475, 60.6484



11.2665, 12.1735, 14.3263



13.4786, 15.9812, 38.3305



0.7575, 0.9487, 1.9981



# Previews

## White Background



This preview shows how the XYZ color 37.3744, 32.8313, 20.5869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

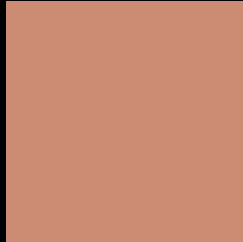
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3744, 32.8313, 20.5869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

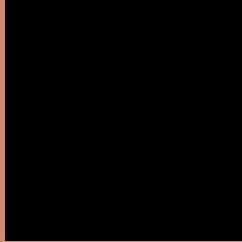
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.3744, 32.8313, 20.5869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3744, 32.8313, 20.5869.



This preview shows how white text looks on a background with the XYZ color 37.3744, 32.8313,



# 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

37.3744, 32.8313, 20.5869

### Protanopia

30.9601, 32.9548, 23.1415

### Deuteranopia

33.4952, 32.8775, 20.2034



## Tritanopia

39.7246, 32.9490, 31.4602

# Trichromacy



**Original Color**

37.3744, 32.8313, 20.5869

**Protanomaly**

33.0585, 32.8479, 22.0507

**Deuteranomaly**

34.8020, 32.8490, 20.4258

**Tritanomaly**

38.7724, 32.7624, 27.2019

# Monochromacy



**Original Color**

37.3744, 32.8313, 20.5869

**Achromatopsia**

31.5995, 33.2452, 36.2040

**Achromatomaly**

32.9476, 32.6200, 29.7591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3744, 32.8313, 20.5869 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(204, 140, 115)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 115)  
}
```

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(204, 140, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3744, 32.8313, 20.5869 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(204, 140, 115) }
```



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

```
.border{ border-color:rgb(204, 140, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 140, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 140, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 140, 115); box-shadow:4px 4px 4px 4px rgb(204, 140, 115) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3744, 32.8313, 20.5869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 115) }
```

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

```
.background{ background-color: rgb(204,  
140, 115) }
```

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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