

Converting Colors

XYZ(37.4285, 33.1295, 21.2084)

Have a look what the booklet for
XYZ(37.4285, 33.1295, 21.2084)
contains.

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Color

**XYZ(37.3644, 33.0306,
21.2359)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8D75
RGB	203, 141, 117
RGB Percent	80%, 55%, 46%
CMY	0.2039, 0.4470, 0.5412
CMYK	0.00, 0.31, 0.42, 0.20
HSL	17°, 45%, 63%
HSV	17°, 42%, 80%
XYZ	37.3644, 33.0306, 21.2359
YIQ	156.8020, 44.6560, 5.6800

Conversions

Conversions Part 2

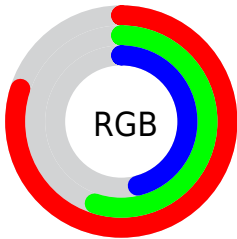
Format	Color
RYB	203, 150, 117
Decimal	13340021
CIELab	64.19, 20.65, 22.27
CIElCh	64, 30.368, 47.158
Yxy	33.0306, 0.4078, 0.3605
Android (android.graphics.Color)	4291530101 (0xFFCB8D75)
YUV	156.8020, -19.6224, 40.5156
Hunter-Lab	57.4723, 15.4716, 18.3230

Details

The XYZ color **37.3644, 33.0306, 21.2359** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2351, 40.3325, 62.4805**, and the grayscale version is **32.0309, 33.6990, 36.6982**.

A 20% lighter version of the original color is **67.9165, 63.1548, 46.1466**, and **16.7630, 13.9450, 7.4384** is the 20% darker color. If you saturate the color by 10%, you get **34.2808, 28.5709, 14.9443**, and if you desaturate by 10%, it is **40.9936, 38.1673, 28.9869**.

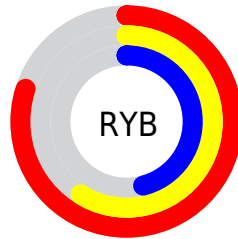
Distribution



Red (80%)

Green (55%)

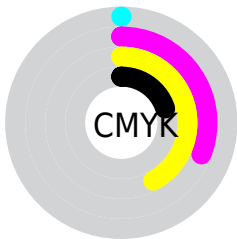
Blue (46%)



Red (80%)

Yellow (59%)

Blue (46%)

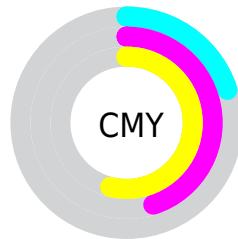


Cyan (0%)

Magenta (31%)

Yellow (42%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3644, 33.0306, 21.2359 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 37.3644, 33.0306, 21.2359 by changing the saturation by 10% instead.


 37.3644, 33.0306,
21.2359


 37.3644, 33.0306,
21.2359


326.2137,
315.7876, 271.3516

 25.6647, 22.1499,
13.1036


 70.4431, 64.4233,
46.3657

 16.7043, 13.9671,
7.3684

 92.5528, 85.7041,
64.2003

 10.1179, 8.0978,
3.6116

 118.8632,
111.2203, 86.1061

 5.5401, 4.1576,
1.4148

149.7397,
141.3565, 112.5016

 2.6055, 1.7621,
0.1532

185.5477,
176.4969, 143.8053

 0.9487, 0.4634,
0.0000

226.6524,

 0.0000, 0.0000,

217.0259, 180.4359

0.0000

273.4193,
263.3280, 222.8118

■ 37.3644, 33.0306,
21.2359

■ 37.3644, 33.0306,
21.2359

■ 34.2808, 28.5709,
14.9443

■ 40.9936, 38.1673,
28.9869

■ 31.7124, 24.7544,
10.0175

■ 45.1919, 44.0034,
38.2798

■ 29.6292, 21.5516,
6.3526


■ 49.9841, 50.5659,
49.1934


■ 27.9969, 18.9283,
3.8311


■ 55.3930, 57.8792,
61.8003


■ 26.7757, 16.8469,
2.3114

■ 61.4401, 65.9664,
76.1688

 26.0750, 15.5894,
1.6347

 68.1457, 74.8495,
92.3634

 74.8618, 84.2829,
106.9303

 78.4386, 91.4365,
108.1226

Harmonies

Analogous

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



39.9839, 33.0306, 29.4163



37.3644, 33.0306, 21.2359



33.2700, 33.0306, 17.4533

Triad

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



37.3644, 33.0306, 21.2359



23.9978, 33.0306, 30.9502



33.8997, 33.0306, 63.6946

Complementary

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



37.3644, 33.0306, 21.2359



34.2351, 40.3325, 62.4805

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.



29.5910, 33.0306, 64.3733



37.3644, 33.0306, 21.2359



24.1329, 33.0306, 43.4192

Square

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



37.3644, 33.0306, 21.2359



25.7094, 33.0306, 22.1367



26.0971, 33.0306, 56.2911



37.8616, 33.0306, 54.6066

Rectangle

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



37.3644, 33.0306, 21.2359



30.3747, 33.0306, 17.2025



26.0971, 33.0306, 56.2911



32.4371, 33.0306, 64.9768

Sweetspot

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



37.3652, 33.0322, 21.2365



83.0094, 83.7353, 80.7893



39.2351, 28.7174, 46.6910



17.3683, 17.3785, 16.3765



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.



37.3652, 33.0322, 21.2365



57.7270, 48.3164, 25.6687



44.7594, 47.8205, 23.7013



11.4630, 11.7150, 11.7365



16.6609, 10.0547, 1.0626



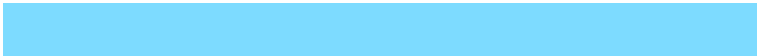
0.9246, 0.6488, 0.0765

Inverse Universe

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



34.2351, 40.3325, 62.4805



51.7536, 62.0832, 103.8633



27.0711, 26.0044, 60.0925



11.2683, 12.1770, 14.3269



13.5148, 16.0537, 38.3426



0.7591, 0.9520, 1.9987

Previews

White Background



This preview shows how the XYZ color 37.3644, 33.0306, 21.2359 looks on a white background.

Color Contrast Check

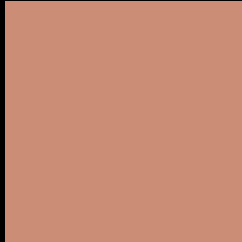
Large Text (above 18pt) WCAG AA × Fail

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 37.3644, 33.0306, 21.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

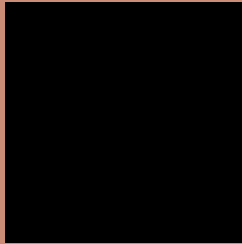
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3644, 33.0306, 21.2359

Background



This preview shows how black text looks on a background with the XYZ color 37.3644, 33.0306, 21.2359.



This preview shows how white text looks on a background with the XYZ color 37.3644, 33.0306,

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

37.3644, 33.0306, 21.2359

Protanopia

31.2524, 33.3392, 23.8567

Deuteranopia

33.6091, 32.9230, 20.8030



Tritanopia

39.6657, 33.1197, 31.9059

Trichromacy



Original Color

37.3644, 33.0306, 21.2359

Protanomaly

33.1082, 33.0974, 22.7326

Deuteranomaly

34.9171, 32.8951, 21.0321

Tritanomaly

38.7093, 32.9337, 27.6092

Monochromacy



Original Color

37.3644, 33.0306, 21.2359

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4047, 33.0849, 30.2166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3644, 33.0306, 21.2359 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(203, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(203, 141, 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(203, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 141, 117) }
```

Border

The CSS property to change the border of an element to XYZ 37.3644, 33.0306, 21.2359 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(203, 141, 117) }
```


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

```
.border{ border-color:rgb(203, 141, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 141, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 141, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 141, 117); box-shadow:4px 4px 4px 4px rgb(203, 141, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3644, 33.0306, 21.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 141, 117) }
```

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

```
.background{ background-color: rgb(203,  
141, 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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