

Converting Colors

XYZ(37.6203, 32.7287, 21.1641)

Have a look what the booklet for
XYZ(37.6203, 32.7287, 21.1641)
contains.

XYZ(37.6203, 32.7287, 21.1641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.6203, 32.7287,
21.1641)**

Conversions

Conversions Part 1

Format	Color
Hex	CD8B75
RGB	205, 139, 117
RGB Percent	80%, 55%, 46%
CMY	0.1961, 0.4549, 0.5412
CMYK	0.00, 0.32, 0.43, 0.20
HSL	15°, 47%, 63%
HSV	15°, 43%, 80%
XYZ	37.6203, 32.7287, 21.1641
YIQ	156.2260, 46.3980, 7.1500

Conversions

Conversions Part 2

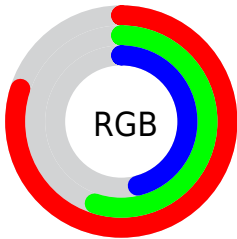
Format	Color
R_{YB}	205, 146, 117
Decimal	13470581
CIE Lab	63.94, 22.54, 21.97
CIE LCh	64, 31.479, 44.273
Yxy	32.7287, 0.4111, 0.3576
Android (android.graphics.Color)	4291660661 (0xFFCD8B75)
YUV	156.2260, -19.3384, 42.7748
Hunter-Lab	57.2090, 17.2648, 18.1124

Details

The XYZ color **37.6203, 32.7287, 21.1641** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.2883, 42.0549, 64.0149**, and the grayscale version is **31.7707, 33.4253, 36.4002**.

A 20% lighter version of the original color is **67.4714, 62.2645, 45.9982**, and **16.7766, 13.7050, 7.3913** is the 20% darker color. If you saturate the color by 10%, you get **34.4728, 28.1560, 14.8055**, and if you desaturate by 10%, it is **41.3465, 38.0363, 29.0184**.

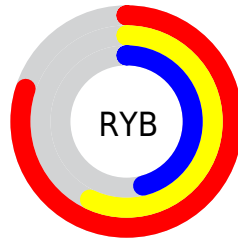
Distribution



Red (80%)

Green (55%)

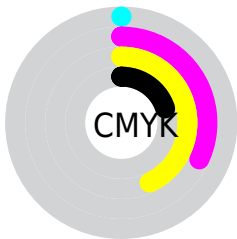
Blue (46%)



Red (80%)

Yellow (57%)

Blue (46%)

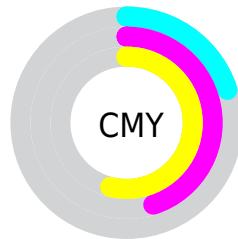


Cyan (0%)

Magenta (32%)

Yellow (43%)

Black (20%)



Cyan (20%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6203, 32.7287, 21.1641 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 37.6203, 32.7287, 21.1641 by changing the saturation by 10% instead.

37.6203, 32.7287,
21.1641

37.6203, 32.7287,
21.1641

327.2974,
314.4255, 270.9589

25.8640, 21.9187,
13.0516

70.8334, 63.9517,
46.2448

16.8541, 13.7972,
7.3329

93.0210, 85.1335,
64.0501

10.2252, 7.9797,
3.5896

119.4163,
110.5414, 85.9234

5.6119, 4.0820,
1.4030

150.3848,
140.5597, 112.2833

2.6490, 1.7195,
0.1441

186.2918,
175.5729, 143.5482

0.9710, 0.4363,
0.0000

227.5027,

0.0000, 0.0000,

215.9653, 180.1368

0.0000

274.3828,
262.1214, 222.4675

■ 37.6203, 32.7287,
21.1641

■ 37.6203, 32.7287,
21.1641

■ 34.4728, 28.1560,
14.8055

■ 41.3465, 38.0363,
29.0184

■ 31.8711, 24.2805,
9.8445

■ 45.6769, 44.1048,
38.4539

■ 29.7826, 21.0681,
6.1746

■ 50.6386, 50.9648,
49.5520

■ 28.1698, 18.4798,
3.6725

■ 56.2562, 58.6437,
62.3879

■ 26.9895, 16.4722,
2.1905

■ 62.5529, 67.1677,
77.0320

■ 26.3720, 15.3696,
1.5767

■ 69.5507, 76.5617,
93.5511

■ 76.3723, 86.4902,
107.2768

■ 78.9868, 91.7191,
108.1483

Harmonies

Analogous

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



40.1234, 32.7287, 29.9487



37.6203, 32.7287, 21.1641



33.4763, 32.7287, 16.9213

Triad

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



37.6203, 32.7287, 21.1641



23.6016, 32.7287, 29.4189



33.2573, 32.7287, 64.9236

Complementary

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



37.6203, 32.7287, 21.1641



35.2883, 42.0549, 64.0149

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.



28.8535, 32.7287, 64.6847



37.6203, 32.7287, 21.1641



23.5550, 32.7287, 42.0012

Square

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



37.6203, 32.7287, 21.1641



25.5275, 32.7287, 20.8561



25.3936, 32.7287, 55.5431



37.4469, 32.7287, 56.1341

Rectangle

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



37.6203, 32.7287, 21.1641



30.4767, 32.7287, 16.4115



25.3936, 32.7287, 55.5431



31.7472, 32.7287, 65.9520

Sweetspot

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



37.6211, 32.7303, 21.1647



82.7403, 83.1970, 80.6996



40.0854, 29.1209, 48.3080



17.3025, 17.2469, 16.3546



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.



37.6211, 32.7303, 21.1647



56.5919, 46.3036, 24.4973



45.3212, 48.1305, 23.7314



11.4365, 11.6619, 11.7276



16.4820, 9.6969, 1.0030



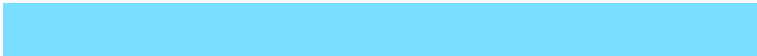
0.9124, 0.6245, 0.0724

Inverse Universe

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



35.2883, 42.0549, 64.0149



52.2124, 63.5461, 104.1215



27.5884, 26.6552, 61.4483



11.2965, 12.2334, 14.3363



14.1058, 17.2356, 38.5396



0.7856, 1.0050, 2.0075

Previews

White Background



This preview shows how the XYZ color 37.6203, 32.7287, 21.1641 looks on a white background.

Color Contrast Check

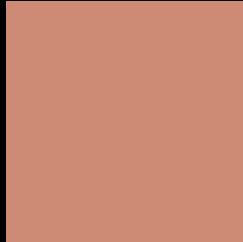
Large Text (above 18pt) WCAG AA × Fail

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 37.6203, 32.7287, 21.1641 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 37.6203, 32.7287, 21.1641

Background



This preview shows how black text looks on a background with the XYZ color 37.6203, 32.7287, 21.1641.



This preview shows how white text looks on a background with the XYZ color 37.6203, 32.7287,

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

37.6203, 32.7287, 21.1641

Protanopia

30.8765, 32.8973, 23.7912

Deuteranopia

33.3704, 32.8000, 20.7919



Tritanopia

39.5069, 32.6377, 31.0055

Trichromacy



Original Color

37.6203, 32.7287, 21.1641

Protanomaly

33.0210, 32.5787, 22.6371

Deuteranomaly

34.7636, 32.5881, 20.9809

Tritanomaly

38.6309, 32.4794, 27.1547

Monochromacy



Original Color

37.6203, 32.7287, 21.1641

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.2444, 32.7644, 30.1632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6203, 32.7287, 21.1641 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(205, 139, 117)` looks like.

```
.text, #text, p{  
    color:rgb(205, 139, 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(205, 139, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 139, 117) }
```

Border

The CSS property to change the border of an element to XYZ 37.6203, 32.7287, 21.1641 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(205, 139, 117) }
```


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

```
.border{ border-color:rgb(205, 139, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 139, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 139, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 139, 117);  
box-shadow:4px 4px 4px 4px rgb(205, 139,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6203, 32.7287, 21.1641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 139, 117) }
```

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

```
.background{ background-color: rgb(205,  
139, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor