

Converting Colors

XYZ(37.8774, 34.4830, 20.9081)

Have a look what the booklet for
XYZ(37.8774, 34.4830, 20.9081)
contains.

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Color

**XYZ(37.7305, 34.3521,
20.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9273
RGB	202, 146, 115
RGB Percent	79%, 57%, 45%
CMY	0.2078, 0.4274, 0.5490
CMYK	0.00, 0.28, 0.43, 0.21
HSL	21°, 45%, 62%
HSV	21°, 43%, 79%
XYZ	37.7305, 34.3521, 20.8617
YIQ	159.2100, 43.3270, 2.2310

Conversions

Conversions Part 2

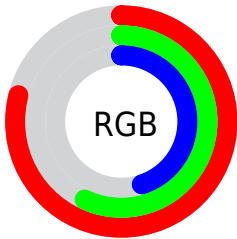
Format	Color
R_{YB}	202, 163, 115
Decimal	13275763
CIE _{Lab}	65.24, 17.29, 24.77
CIE _{LCh}	65, 30.210, 55.082
Yxy	34.3521, 0.4059, 0.3696
Android (android.graphics.Color)	4291465843 (0xFFCA9273)
YUV	159.2100, -21.7955, 37.5268
Hunter-Lab	58.6107, 12.3404, 19.9240

Details

The XYZ color **37.7305, 34.3521, 20.8617** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.2932, 37.0335, 61.3232**, and the grayscale version is **33.1342, 34.8598, 37.9623**.

A 20% lighter version of the original color is **68.8693, 65.3586, 45.5449**, and **16.9594, 14.7007, 7.2538** is the 20% darker color. If you saturate the color by 10%, you get **34.8017, 30.1553, 14.7655**, and if you desaturate by 10%, it is **41.1437, 39.1100, 28.3766**.

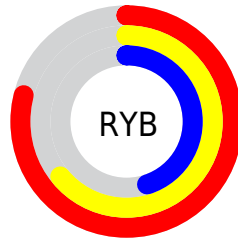
Distribution



Red (79%)

Green (57%)

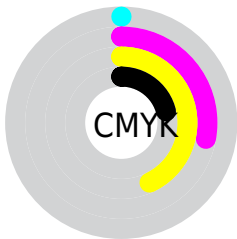
Blue (45%)



Red (79%)

Yellow (64%)

Blue (45%)

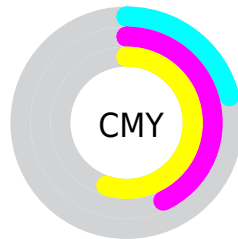


Cyan (0%)

Magenta (28%)

Yellow (43%)

Black (21%)



Cyan (21%)


Magenta (43%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7305, 34.3521, 20.8617 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 37.7305, 34.3521, 20.8617 by changing the saturation by 10% instead.


 37.7305, 34.3521,
20.8617


 37.7305, 34.3521,
20.8617


327.7634,
321.6992, 269.2995

 25.9499, 23.1642,
12.8327


 71.0014, 66.4808,
45.7351

 16.9186, 14.7148,
7.1841

 93.2224, 88.1905,
63.4165

 10.2714, 8.6195,
3.4973


 119.6543,
114.1762, 85.1524

 5.6429, 4.4938,
1.3538

150.6623,
144.8223, 111.3615

 2.6678, 1.9535,
0.1053

186.6119,
180.5133, 142.4622

 0.9806, 0.5802,
0.0000

227.8683,

 0.0000, 0.0000,

221.6335, 178.8731

0.0000

274.7970,
268.5674, 221.0126

■ 37.7305, 34.3521,
20.8617

■ 37.7305, 34.3521,
20.8617

■ 34.8017, 30.1553,
14.7655

■ 41.1437, 39.1100,
28.3766

■ 32.3303, 26.4927,
9.9949

■ 45.0613, 44.4446,
37.3911

■ 30.2902, 23.3424,
6.4487


■ 49.5050, 50.3771,
47.9824


■ 28.6514, 20.6786,
4.0099

■ 54.4947, 56.9259,
60.2217


■ 27.3787, 18.4729,
2.5381


■ 60.0491, 64.1088,
74.1760

 26.6736, 17.1896,
1.9121

 66.1858, 71.9426,
89.9083

 72.6954, 80.3531,
106.2860

 76.5975, 88.1573,
107.5867

 78.1671, 91.2965,
108.1099

Harmonies

Analogous

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



40.9178, 34.3521, 28.0537



37.7305, 34.3521, 20.8617



33.3805, 34.3521, 18.1015

Triad

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



37.7305, 34.3521, 20.8617



24.9342, 34.3521, 35.3669



36.3655, 34.3521, 63.8834

Complementary

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



37.7305, 34.3521, 20.8617



32.2932, 37.0335, 61.3232

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.



31.9315, 34.3521, 67.0685



37.7305, 34.3521, 20.8617



25.5795, 34.3521, 48.6296

Square

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



37.7305, 34.3521, 20.8617



26.2001, 34.3521, 25.1905



28.0485, 34.3521, 60.9645



40.0815, 34.3521, 53.0372

Rectangle

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



37.7305, 34.3521, 20.8617



30.5008, 34.3521, 18.5643



28.0485, 34.3521, 60.9645



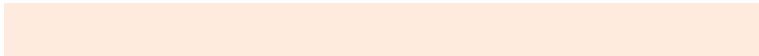
34.8992, 34.3521, 65.9756

Sweetspot

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



37.7314, 34.3538, 20.8624



83.7319, 85.1802, 81.0302



37.8912, 27.7796, 42.1686



17.5453, 17.7324, 16.4355



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.



37.7314, 34.3538, 20.8624



59.0878, 51.2953, 25.3293



45.6385, 50.1681, 23.4981



11.5340, 11.8570, 11.7602



17.2410, 11.2150, 1.2560



0.9607, 0.7211, 0.0885

Inverse Universe

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



32.2932, 37.0335, 61.3232



48.6266, 56.3744, 102.9262



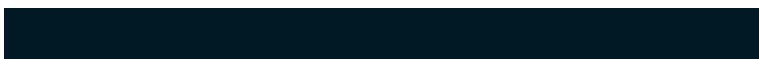
25.4569, 23.3609, 59.0444



11.1939, 12.0282, 14.3021



12.0845, 13.1931, 37.8659



0.6934, 0.8206, 1.9768

Previews

White Background



This preview shows how the XYZ color 37.7305, 34.3521, 20.8617 looks on a white background.

Color Contrast Check

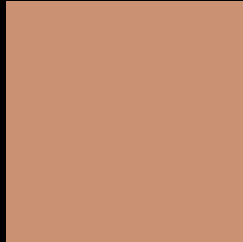
Large Text (above 18pt) WCAG AA × Fail

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 37.7305, 34.3521, 20.8617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

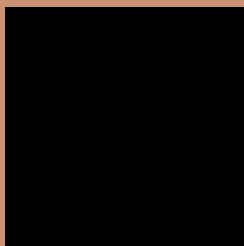
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7305, 34.3521, 20.8617

Background



This preview shows how black text looks on a background with the XYZ color 37.7305, 34.3521, 20.8617.



This preview shows how white text looks on a background with the XYZ color 37.7305, 34.3521,

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

37.7305, 34.3521, 20.8617

Protanopia

32.2556, 34.3802, 23.0252

Deuteranopia

35.0045, 34.3627, 20.7073



Tritanopia

40.3692, 34.2959, 34.1978

Trichromacy



Original Color

37.7305, 34.3521, 20.8617

Protanomaly

34.1768, 34.3882, 22.2890

Deuteranomaly

35.9359, 34.3651, 20.6587

Tritanomaly

39.3845, 34.3464, 28.9798

Monochromacy



Original Color

37.7305, 34.3521, 20.8617

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.1927, 34.2083, 30.7873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7305, 34.3521, 20.8617 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(202, 146, 115)` looks like.

```
.text, #text, p{  
    color:rgb(202, 146, 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(202, 146, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 146, 115) }
```

Border

The CSS property to change the border of an element to XYZ 37.7305, 34.3521, 20.8617 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(202, 146, 115) }
```


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

```
.border{ border-color:rgb(202, 146, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 146, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 146, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 146, 115);  
box-shadow:4px 4px 4px 4px rgb(202, 146,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7305, 34.3521, 20.8617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 146, 115) }
```

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

```
.background{ background-color: rgb(202,  
146, 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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