

Converting Colors

XYZ(42.5212, 37.3105, 17.7997)

Have a look what the booklet for
XYZ(42.5212, 37.3105, 17.7997)
contains.

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Color

**XYZ(42.5533, 37.3747,
17.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9467
RGB	220, 148, 103
RGB Percent	86%, 58%, 40%
CMY	0.1373, 0.4196, 0.5961
CMYK	0.00, 0.33, 0.53, 0.14
HSL	23°, 63%, 63%
HSV	23°, 53%, 86%
XYZ	42.5533, 37.3747, 17.8032
YIQ	164.3980, 57.3570, 1.2690

Conversions

Conversions Part 2

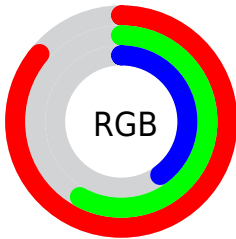
Format	Color
R_{YB}	220, 176, 103
Decimal	14455911
CIE _{Lab}	67.56, 22.34, 34.70
CIE _{LCh}	68, 41.271, 57.223
Yxy	37.3747, 0.4354, 0.3824
Android (android.graphics.Color)	4292645991 (0xFFDC9467)
YUV	164.3980, -30.2692, 48.7630
Hunter-Lab	61.1349, 17.2601, 25.5284

Details

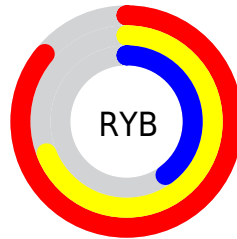
The XYZ color **42.5533, 37.3747, 17.8032** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8410, 38.7091, 73.3980**, and the grayscale version is **35.5978, 37.4517, 40.7849**.

A 20% lighter version of the original color is **68.2769, 65.8676, 40.1255**, and **19.8646, 16.5066, 5.7535** is the 20% darker color. If you saturate the color by 10%, you get **39.5904, 32.9897, 12.0659**, and if you desaturate by 10%, it is **46.0569, 42.3764, 25.1545**.

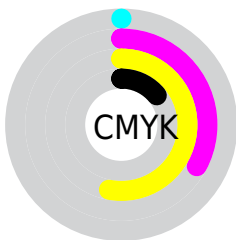
Distribution



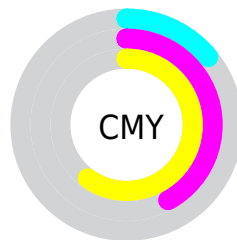
- Red (86%)
- Green (58%)
- Blue (40%)



- Red (86%)
- Yellow (69%)
- Blue (40%)



- Cyan (0%)
- Magenta (33%)
- Yellow (53%)
- Black (14%)



- Cyan (14%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5533, 37.3747, 17.8032 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 42.5533, 37.3747, 17.8032 by changing the saturation by 10% instead.

42.5533, 37.3747,
17.8032

42.5533, 37.3747,
17.8032

347.7242,
334.9299, 251.9582

29.7278, 25.4977,
10.6408

78.2963, 71.1487,
40.5111

19.7791, 16.4483,
5.7147

101.9444, 93.8145,
56.8937

12.3419, 9.8419,
2.6064

129.9308,
120.8454, 77.1867

7.0508, 5.2943,
0.8958

162.6209,
152.6258, 101.8088

3.5405, 2.4209,
0.0000

200.3799,
189.5401, 131.1785

1.4456, 0.8366,
0.0000

243.5732,

0.2884, 0.0000,

231.9726, 165.7142

0.0000

292.5662,
280.3077, 205.8346

■ 0.0000, 0.0000,
0.0000

■ 42.5533, 37.3747,
17.8032

■ 42.5533, 37.3747,
17.8032

■ 39.5904, 32.9897,
12.0659

■ 46.0569, 42.3764,
25.1545

■ 37.1336, 29.1893,
7.8148

■ 50.1274, 48.0137,
34.2299

■ 35.1479, 25.9468,
4.9061

■ 54.7923, 54.3115,
45.1321

■ 33.5913, 23.2299,
3.1654

■ 60.0764, 61.2915,
57.9551

■ 32.7342, 21.6537,
2.4543

■ 66.0029, 68.9745,
72.7864

■ 72.5940, 77.3803,
89.7081

■ 79.5464, 86.3982,
107.0917

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



47.5269, 37.3747, 26.7007



42.5533, 37.3747, 17.8032



36.1185, 37.3747, 14.8041

Triad

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



42.5533, 37.3747, 17.8032



24.6688, 37.3747, 39.0237



41.4079, 37.3747, 80.3899

Complementary

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



42.5533, 37.3747, 17.8032



33.8410, 38.7091, 73.3980

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.



34.9352, 37.3747, 86.5766



42.5533, 37.3747, 17.8032



25.7332, 37.3747, 58.8820

Square

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



42.5533, 37.3747, 17.8032



26.2134, 37.3747, 24.5455



29.3140, 37.3747, 77.7516



46.8121, 37.3747, 62.7168

Rectangle

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



42.5533, 37.3747, 17.8032



32.0290, 37.3747, 15.5960



29.3140, 37.3747, 77.7516



39.2634, 37.3747, 84.0749

Sweetspot

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



42.5542, 37.3766, 17.8039



81.6705, 82.6599, 75.4028



42.1182, 28.0175, 43.8230



17.1489, 17.2550, 15.3312



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.



42.5542, 37.3766, 17.8039



54.8140, 45.3311, 15.9402



54.1190, 60.5062, 21.6589



13.4646, 13.8686, 13.6928



19.3115, 12.9086, 1.4738



1.3330, 1.0001, 0.1228

Inverse Universe

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



33.8410, 38.7091, 73.3980



41.3425, 47.2826, 101.5552



24.8327, 20.6924, 70.3952



13.0024, 13.9445, 16.6584



12.8081, 13.4856, 41.6663



0.9122, 1.0386, 2.7268

Previews

White Background



This preview shows how the XYZ color 42.5533, 37.3747, 17.8032 looks on a white background.

Color Contrast Check

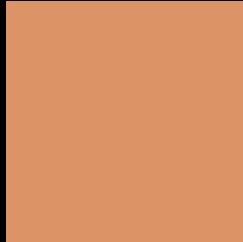
Large Text (above 18pt) WCAG AA × Fail

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 42.5533, 37.3747, 17.8032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

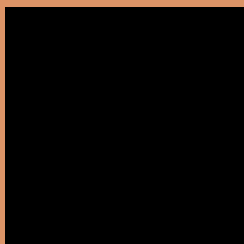
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5533, 37.3747, 17.8032

Background



This preview shows how black text looks on a background with the XYZ color 42.5533, 37.3747, 17.8032.



This preview shows how white text looks on a background with the XYZ color 42.5533, 37.3747,

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

42.5533, 37.3747, 17.8032

Protanopia

34.8600, 37.6198, 20.1759

Deuteranopia

38.2254, 37.3329, 17.5032



Tritanopia

46.0810, 37.4603, 34.5076

Trichromacy



Original Color

42.5533, 37.3747, 17.8032

Protanomaly

37.3001, 37.3271, 19.1488

Deuteranomaly

39.6860, 37.3359, 17.6852

Tritanomaly

44.7078, 37.3557, 27.4083

Monochromacy



Original Color

42.5533, 37.3747, 17.8032

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.8765, 36.5971, 30.7115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5533, 37.3747, 17.8032 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(220, 148, 103)` looks like.

```
.text, #text, p{  
    color:rgb(220, 148, 103)  
}
```

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(220, 148, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 148, 103) }
```

Border

The CSS property to change the border of an element to XYZ 42.5533, 37.3747, 17.8032 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(220, 148, 103) }
```


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

```
.border{ border-color:rgb(220, 148, 103) }
```

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

Here you see how a box with a 4 pixel rgb(220, 148, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 148, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 148, 103);  
box-shadow:4px 4px 4px 4px rgb(220, 148,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5533, 37.3747, 17.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 148, 103) }
```

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

```
.background{ background-color: rgb(220,  
148, 103) }
```

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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