

Converting Colors

XYZ(42.8229, 37.8108, 18.7625)

Have a look what the booklet for
XYZ(42.8229, 37.8108, 18.7625)
contains.

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Color

**XYZ(42.8642, 37.7511,
18.6632)**

Conversions

Conversions Part 1

Format	Color
Hex	DC956A
RGB	220, 149, 106
RGB Percent	86%, 58%, 42%
CMY	0.1373, 0.4157, 0.5843
CMYK	0.00, 0.32, 0.52, 0.14
HSL	23°, 62%, 64%
HSV	23°, 52%, 86%
XYZ	42.8642, 37.7511, 18.6632
YIQ	165.3270, 56.1190, 1.6790

Conversions

Conversions Part 2

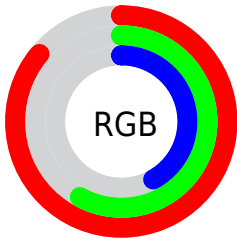
Format	Color
RYB	220, 175, 106
Decimal	14456170
CIELab	67.84, 22.07, 33.45
CIELCh	68, 40.072, 56.586
Yxy	37.7511, 0.4318, 0.3803
Android (android.graphics.Color)	4292646250 (0xFFDC956A)
YUV	165.3270, -29.2482, 47.9482
Hunter-Lab	61.4419, 17.0050, 24.9998

Details

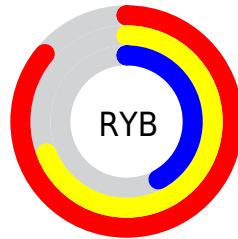
The XYZ color **42.8642, 37.7511, 18.6632** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.5836, 39.6742, 73.5452**, and the grayscale version is **36.0393, 37.9162, 41.2907**.

A 20% lighter version of the original color is **68.7675, 66.4405, 41.5476**, and **20.0317, 16.7222, 6.1749** is the 20% darker color. If you saturate the color by 10%, you get **39.8220, 33.2689, 12.7105**, and if you desaturate by 10%, it is **46.4567, 42.8645, 26.2478**.

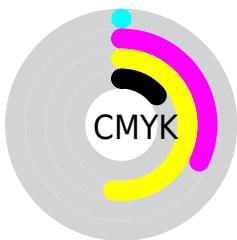
Distribution



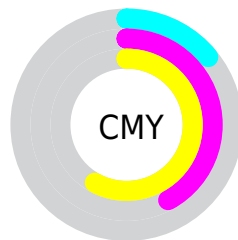
- Red (86%)
- Green (58%)
- Blue (42%)



- Red (86%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (52%)
- Black (14%)





- Cyan (14%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8642, 37.7511, 18.6632 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 42.8642, 37.7511, 18.6632 by changing the saturation by 10% instead.


 42.8642, 37.7511,
18.6632

 42.8642, 37.7511,
18.6632


348.9840,
336.5510, 256.9435

 29.9726, 25.7896,
11.2528


 78.7629, 71.7265,
41.9933


 19.9658, 16.6663,
6.1208


 102.5007, 94.5091,
58.7501

 12.4783, 9.9968,
2.8487


 130.5847,
121.6676, 79.4595

 7.1448, 5.3969,
1.0179

 163.3801,
153.5863, 104.5399

 3.6000, 2.4819,
0.0000

201.2524,
190.6495, 134.4100

 1.4784, 0.8676,
0.0000

244.5669,

 0.3111, 0.0000,

233.2418, 169.4883

0.0000

293.6890,
281.7475, 210.1933

■ 0.0000, 0.0000,
0.0000

■ 42.8642, 37.7511,
18.6632

■ 42.8642, 37.7511,
18.6632

■ 39.8220, 33.2689,
12.7105

■ 46.4567, 42.8645,
26.2478

■ 37.2957, 29.3855,
8.2639

■ 50.6256, 48.6284,
35.5728

■ 35.2506, 26.0736,
5.1824

■ 55.3986, 55.0681,
46.7399

■ 33.6451, 23.3008,
3.2965

■ 60.8004, 62.2057,
59.8422

■ 32.6078, 21.4009,
2.4122

■ 66.8545, 70.0625,
74.9666

■ 73.5829, 78.6586,
92.1945

■ 80.1908, 87.6869,
107.3065

■ 83.3252, 93.9556,
108.3513

Harmonies

Analogous

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



47.6493, 37.7511, 27.6248



42.8642, 37.7511, 18.6632



36.5969, 37.7511, 15.5520

Triad

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



42.8642, 37.7511, 18.6632



25.2361, 37.7511, 39.1021



41.4929, 37.7511, 79.8807

Complementary

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



42.8642, 37.7511, 18.6632



34.5836, 39.6742, 73.5452

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.



35.1751, 37.7511, 85.5440



42.8642, 37.7511, 18.6632



26.2303, 37.7511, 58.3806

Square

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



42.8642, 37.7511, 18.6632



26.8114, 37.7511, 25.0067



29.7012, 37.7511, 76.7521



46.7956, 37.7511, 62.9503

Rectangle

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



42.8642, 37.7511, 18.6632



32.5807, 37.7511, 16.2752



29.7012, 37.7511, 76.7521



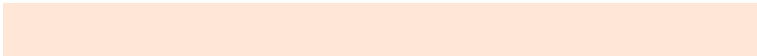
39.3976, 37.7511, 83.3435

Sweetspot

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



42.8651, 37.7530, 18.6639



81.5863, 82.4916, 75.3747



42.7254, 28.7464, 45.5219



17.1290, 17.2151, 15.3245



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.



42.8651, 37.7530, 18.6639



55.3724, 46.0801, 17.2607



53.9003, 59.8233, 22.3423



13.4565, 13.8524, 13.6901



19.2362, 12.7580, 1.4487



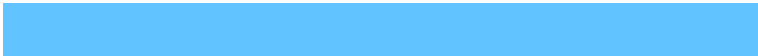
1.3276, 0.9893, 0.1210

Inverse Universe

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



34.5836, 39.6742, 73.5452



42.5648, 48.9473, 101.8121



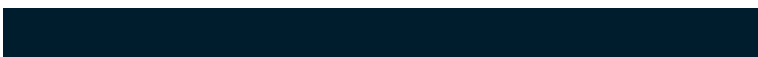
25.7242, 21.9553, 70.5921



13.0107, 13.9612, 16.6612



12.9428, 13.7551, 41.7112



0.9204, 1.0550, 2.7296

Previews

White Background



This preview shows how the XYZ color 42.8642, 37.7511, 18.6632 looks on a white background.

Color Contrast Check

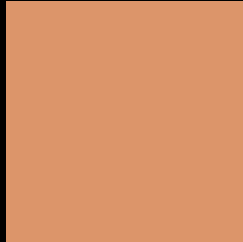
Large Text (above 18pt) WCAG AA × Fail

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 42.8642, 37.7511, 18.6632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

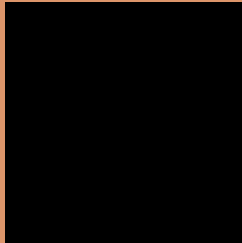
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8642, 37.7511, 18.6632

Background



This preview shows how black text looks on a background with the XYZ color 42.8642, 37.7511, 18.6632.



This preview shows how white text looks on a background with the XYZ color 42.8642, 37.7511,

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

42.8642, 37.7511, 18.6632

Protanopia

35.2073, 38.0484, 21.1112

Deuteranopia

38.5450, 37.7326, 18.3483



Tritanopia

46.3957, 37.8253, 35.4275

Trichromacy



Original Color

42.8642, 37.7511, 18.6632

Protanomaly

37.6334, 37.7367, 20.0523

Deuteranomaly

40.0033, 37.7280, 18.5384

Tritanomaly

45.0722, 37.7449, 28.5768

Monochromacy



Original Color

42.8642, 37.7511, 18.6632

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.4398, 37.1242, 31.5780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8642, 37.7511, 18.6632 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, 149, 106)` looks like.

```
.text, #text, p{  
    color:rgb(220, 149, 106)  
}
```

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, 149, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 149, 106) }
```

Border

The CSS property to change the border of an element to XYZ 42.8642, 37.7511, 18.6632 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, 149, 106) }
```


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

```
.border{ border-color:rgb(220, 149, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 149, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 149, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 149, 106);  
box-shadow:4px 4px 4px 4px rgb(220, 149,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8642, 37.7511, 18.6632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 149, 106) }
```

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

```
.background{ background-color: rgb(220,  
149, 106) }
```

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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