

Converting Colors

XYZ(42.2289, 36.7248, 17.6985)

Have a look what the booklet for
XYZ(42.2289, 36.7248, 17.6985)
contains.

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Color

**XYZ(42.2423, 36.7527,
17.6995)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9267
RGB	220, 146, 103
RGB Percent	86%, 57%, 40%
CMY	0.1373, 0.4274, 0.5961
CMYK	0.00, 0.34, 0.53, 0.14
HSL	22°, 63%, 63%
HSV	22°, 53%, 86%
XYZ	42.2423, 36.7527, 17.6995
YIQ	163.2240, 57.9070, 2.3150

Conversions

Conversions Part 2

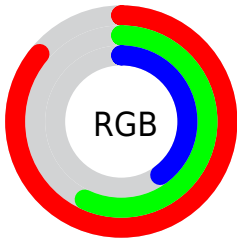
Format	Color
RYB	220, 171, 103
Decimal	14455399
CIELab	67.09, 23.42, 34.11
CIELCh	67, 41.374, 55.528
Yxy	36.7527, 0.4369, 0.3801
Android (android.graphics.Color)	4292645479 (0xFFDC9267)
YUV	163.2240, -29.6904, 49.7926
Hunter-Lab	60.6240, 18.2853, 25.1268

Details

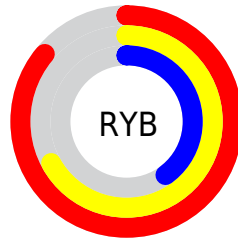
The XYZ color **42.2423, 36.7527, 17.6995** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2331, 39.4933, 73.5287**, and the grayscale version is **35.0363, 36.8609, 40.1415**.

A 20% lighter version of the original color is **67.8107, 64.9351, 39.9701**, and **19.6821, 16.1416, 5.6927** is the 20% darker color. If you saturate the color by 10%, you get **39.2642, 32.3373, 11.9571**, and if you desaturate by 10%, it is **45.7737, 41.8100, 25.0601**.

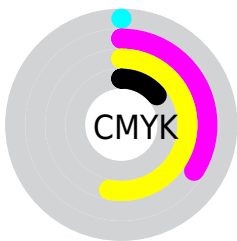
Distribution



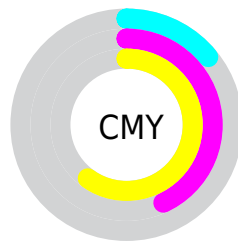
- Red (86%)
- Green (57%)
- Blue (40%)



- Red (86%)
- Yellow (67%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (53%)
- Black (14%)



- Cyan (14%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2423, 36.7527, 17.6995 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 42.2423, 36.7527, 17.6995 by changing the saturation by 10% instead.

42.2423, 36.7527,
17.6995

42.2423, 36.7527,
17.6995

346.4609,
332.2386, 251.3508

29.4830, 25.0161,
10.5673

77.8291, 70.1923,
40.3316

19.5926, 16.0890,
5.6662

101.3873, 92.6640,
56.6686

12.2058, 9.5872,
2.5777

129.2758,
119.4829, 76.9108

6.9572, 5.1261,
0.8809

161.8600,
151.0334, 101.4769

3.4814, 2.3214,
0.0000

199.5053,
187.6998, 130.7854

1.4132, 0.7850,
0.0000

242.5769,

0.2656, 0.0000,

229.8665, 165.2549

0.0000

291.4404,
277.9180, 205.3038

■ 0.0000, 0.0000,
0.0000

■ 42.2423, 36.7527,
17.6995

■ 42.2423, 36.7527,
17.6995

■ 39.2642, 32.3373,
11.9571

■ 45.7737, 41.8100,
25.0601

■ 36.8041, 28.5304,
7.7050

■ 49.8855, 47.5299,
34.1492

■ 34.8262, 25.3033,
4.7989

■ 54.6058, 53.9385,
45.0699

■ 33.2873, 22.6219,
3.0640

■ 59.9601, 61.0590,
57.9163

■ 32.4475, 21.0803,
2.3587

■ 65.9723, 68.9133,
72.7761

■ 72.6650, 77.5225,
89.7317

■ 79.7358, 86.7769,
107.1548

■ 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.



47.0351, 36.7527, 26.8582



42.2423, 36.7527, 17.6995



35.8848, 36.7527, 14.4487

Triad

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



42.2423, 36.7527, 17.6995



24.1996, 36.7527, 37.3745



40.4136, 36.7527, 80.1658

Complementary

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



42.2423, 36.7527, 17.6995



34.2331, 39.4933, 73.5287

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.



33.9969, 36.7527, 85.4907



42.2423, 36.7527, 17.6995



25.1072, 36.7527, 56.8960

Square

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



42.2423, 36.7527, 17.6995



25.8722, 36.7527, 23.4264



28.5184, 36.7527, 75.9461



45.8934, 36.7527, 63.0241

Rectangle

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



42.2423, 36.7527, 17.6995



31.7906, 36.7527, 15.0449



28.5184, 36.7527, 75.9461



38.2746, 36.7527, 83.5810

Sweetspot

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



42.2432, 36.7545, 17.7002



81.4769, 82.2728, 75.3383



42.3113, 28.0947, 44.8402



17.1030, 17.1633, 15.3159



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.



42.2432, 36.7545, 17.7002



54.3567, 44.4165, 15.7878



53.6514, 59.5710, 21.5030



13.4460, 13.8314, 13.6866



19.1407, 12.5670, 1.4168



1.3207, 0.9754, 0.1187

Inverse Universe

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



34.2331, 39.4933, 73.5287



41.9617, 48.5212, 101.7616



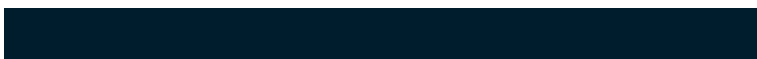
25.0614, 21.1499, 70.4714



13.0216, 13.9830, 16.6648



13.1213, 14.1121, 41.7707



0.9312, 1.0766, 2.7332

Previews

White Background



This preview shows how the XYZ color 42.2423, 36.7527, 17.6995 looks on a white background.

Color Contrast Check

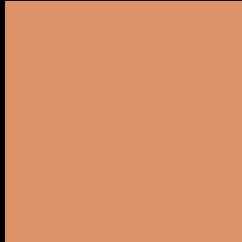
Large Text (above 18pt) WCAG AA × Fail

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 42.2423, 36.7527, 17.6995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

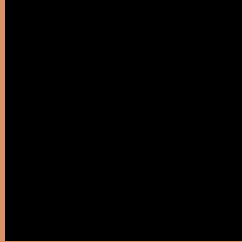
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2423, 36.7527, 17.6995

Background



This preview shows how black text looks on a background with the XYZ color 42.2423, 36.7527, 17.6995.



This preview shows how white text looks on a background with the XYZ color 42.2423, 36.7527,

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

42.2423, 36.7527, 17.6995

Protanopia

34.2214, 37.0238, 20.0945

Deuteranopia

37.5261, 36.7223, 17.4222



Tritanopia

45.6236, 36.8055, 33.5537

Trichromacy



Original Color

42.2423, 36.7527, 17.6995

Protanomaly

36.7031, 36.5129, 19.0232

Deuteranomaly

39.0801, 36.5376, 17.5631

Tritanomaly

44.3381, 36.7274, 26.9425

Monochromacy



Original Color

42.2423, 36.7527, 17.6995

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.6319, 36.2274, 30.2612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2423, 36.7527, 17.6995 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, 146, 103)` looks like.

```
.text, #text, p{  
    color:rgb(220, 146, 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, 146, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 146, 103) }
```

Border

The CSS property to change the border of an element to XYZ 42.2423, 36.7527, 17.6995 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, 146, 103) }
```


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

```
.border{ border-color:rgb(220, 146, 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, 146, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(220, 146,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2423, 36.7527, 17.6995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 146, 103) }
```

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

```
.background{ background-color: rgb(220,  
146, 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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