

Converting Colors

XYZ(42.7559, 37.4436, 24.7113)

Have a look what the booklet for
XYZ(42.7559, 37.4436, 24.7113)
contains.

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Color

**XYZ(42.8322, 37.6002,
24.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	D8957E
RGB	216, 149, 126
RGB Percent	85%, 58%, 49%
CMY	0.1529, 0.4157, 0.5059
CMYK	0.00, 0.31, 0.42, 0.15
HSL	15°, 54%, 67%
HSV	15°, 42%, 85%
XYZ	42.8322, 37.6002, 24.7387
YIQ	166.4110, 47.3150, 7.0510

Conversions

Conversions Part 2

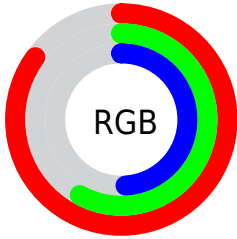
Format	Color
R _Y B	216, 157, 126
Decimal	14194046
CIE Lab	67.72, 22.45, 22.31
CIE LCh	68, 31.655, 44.820
Yxy	37.6002, 0.4073, 0.3575
Android (android.graphics.Color)	4292384126 (0xFFD8957E)
YUV	166.4110, -19.9226, 43.4896
Hunter-Lab	61.3190, 17.3765, 19.0032

Details

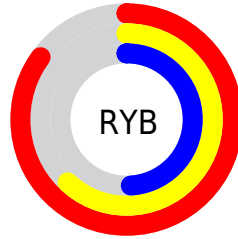
The XYZ color **42.8322, 37.6002, 24.7387** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.0678, 47.5313, 72.0282**, and the grayscale version is **36.5228, 38.4248, 41.8446**.

A 20% lighter version of the original color is **70.7326, 67.2265, 51.8958**, and **20.0053, 16.6421, 9.1790** is the 20% darker color. If you saturate the color by 10%, you get **39.2155, 32.3616, 17.3834**, and if you desaturate by 10%, it is **47.1030, 43.6652, 33.7974**.

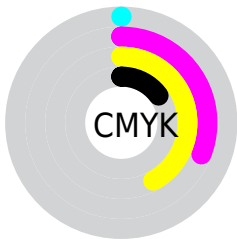
Distribution



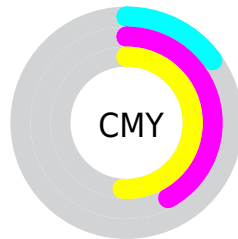
- Red (85%)
- Green (58%)
- Blue (49%)



- Red (85%)
- Yellow (62%)
- Blue (49%)



- Cyan (0%)
- Magenta (31%)
- Yellow (42%)
- Black (15%)





- Cyan (15%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8322, 37.6002, 24.7387 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 42.8322, 37.6002, 24.7387 by changing the saturation by 10% instead.


 42.8322, 37.6002,
24.7387


 42.8322, 37.6002,
24.7387


348.8545,
335.9018, 289.9400


 29.9474, 25.6725,
15.6652


 78.7149, 71.4949,
52.1919

 19.9466, 16.5788,
9.1358


 102.4435, 94.2308,
71.4086

 12.4642, 9.9347,
4.7318

 130.5174,
121.3382, 94.8436

 7.1351, 5.3557,
2.0348

163.3021,
153.2015, 122.9153

 3.5938, 2.4574,
0.5766

201.1627,
190.2051, 156.0422

 1.4750, 0.8552,
0.0000

244.4648,

 0.3087, 0.0000,

232.7334, 194.6430

0.0000

293.5736,
281.1709, 239.1361

■ 0.0000, 0.0000,
0.0000

■ 42.8322, 37.6002,
24.7387

■ 42.8322, 37.6002,
24.7387

■ 39.2155, 32.3616,
17.3834

■ 47.1030, 43.6652,
33.7974

■ 36.2161, 27.9076,
11.6214

■ 52.0563, 50.5853,
44.6555

■ 33.7979, 24.2007,
7.3332

■ 57.7222, 58.3943,
57.4045

■ 31.9193, 21.1978,
4.3814

■ 64.1282, 67.1227,
72.1290

■ 30.5323, 18.8512,
2.6017

■ 71.3003, 76.7995,
88.9085

■ 29.6951, 17.3515,
1.7841

■ 79.1661, 87.4135,
107.3077

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



45.6221, 37.6002, 34.4302



42.8322, 37.6002, 24.7387



38.2574, 37.6002, 20.0598

Triad

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



42.8322, 37.6002, 24.7387



27.4083, 37.6002, 34.2850



38.1978, 37.6002, 72.8873

Complementary

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



42.8322, 37.6002, 24.7387



40.0678, 47.5313, 72.0282

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.



33.3315, 37.6002, 72.8231



42.8322, 37.6002, 24.7387



27.3955, 37.6002, 48.2231

Square

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



42.8322, 37.6002, 24.7387



29.5103, 37.6002, 24.6534



29.4736, 37.6002, 63.0109



42.7852, 37.6002, 63.1703

Rectangle

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



42.8322, 37.6002, 24.7387



34.9534, 37.6002, 19.5395



29.4736, 37.6002, 63.0109



36.5340, 37.6002, 74.0699

Sweetspot

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



42.8332, 37.6020, 24.7394



83.6679, 84.5017, 82.7065



45.4613, 33.3935, 54.7946



17.6638, 17.7514, 17.1475



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.



42.8332, 37.6020, 24.7394



57.6900, 47.9784, 26.4701



51.2655, 54.4667, 27.5502



12.6787, 12.9316, 12.9885



17.6504, 10.4181, 1.0806



1.1316, 0.7624, 0.0875

Inverse Universe

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



40.0678, 47.5313, 72.0282



53.1072, 64.2308, 104.2065



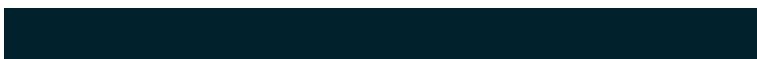
31.6676, 30.7308, 69.2281



12.5110, 13.5454, 15.8926



14.9489, 18.1595, 41.1704



0.9663, 1.2246, 2.5047

Previews

White Background



This preview shows how the XYZ color 42.8322, 37.6002, 24.7387 looks on a white background.

Color Contrast Check

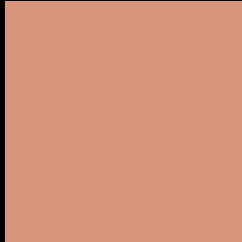
Large Text (above 18pt) WCAG AA × Fail

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 42.8322, 37.6002, 24.7387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

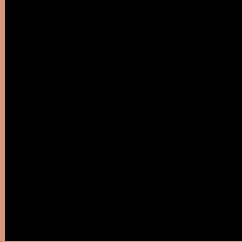
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8322, 37.6002, 24.7387

Background



This preview shows how black text looks on a background with the XYZ color 42.8322, 37.6002, 24.7387.



This preview shows how white text looks on a background with the XYZ color 42.8322, 37.6002,

24.7387.

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

42.8322, 37.6002, 24.7387

Protanopia

35.3680, 37.7177, 27.6064

Deuteranopia

38.5419, 37.8536, 24.3439



Tritanopia

45.3396, 37.7112, 36.3418

Trichromacy



Original Color

42.8322, 37.6002, 24.7387

Protanomaly

37.6626, 37.3551, 26.3443

Deuteranomaly

40.0516, 37.6199, 24.5524

Tritanomaly

44.3032, 37.5075, 31.6927

Monochromacy



Original Color

42.8322, 37.6002, 24.7387

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9239, 37.5663, 34.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8322, 37.6002, 24.7387 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(216, 149, 126)` looks like.

```
.text, #text, p{  
    color:rgb(216, 149, 126)  
}
```

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(216, 149, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 149, 126) }
```

Border

The CSS property to change the border of an element to XYZ 42.8322, 37.6002, 24.7387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

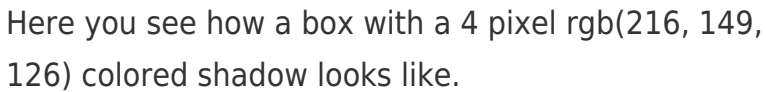
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 149, 126) }
```


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

```
.border{ border-color:rgb(216, 149, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 149, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 149, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 149, 126); box-shadow:4px 4px 4px 4px rgb(216, 149, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8322, 37.6002, 24.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 149, 126) }
```

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

```
.background{ background-color: rgb(216,  
149, 126) }
```

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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