

Converting Colors

XYZ(42.2756, 37.6763, 13.0838)

Have a look what the booklet for
XYZ(42.2756, 37.6763, 13.0838)
contains.

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Color

**XYZ(42.0892, 37.4762,
12.9979)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9552
RGB	221, 149, 82
RGB Percent	87%, 58%, 32%
CMY	0.1333, 0.4157, 0.6784
CMYK	0.00, 0.33, 0.63, 0.13
HSL	29°, 67%, 59%
HSV	29°, 63%, 87%
XYZ	42.0892, 37.4762, 12.9979
YIQ	162.8900, 64.4190, -5.5730

Conversions

Conversions Part 2

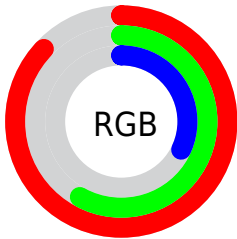
Format	Color
R_{YB}	221, 211, 82
Decimal	14521682
CIE _{Lab}	67.63, 20.62, 45.72
CIE _{LCh}	68, 50.153, 65.722
Yxy	37.4762, 0.4547, 0.4049
Android (android.graphics.Color)	4292711762 (0xFFDD9552)
YUV	162.8900, -39.8788, 50.9625
Hunter-Lab	61.2178, 15.5933, 30.2639

Details

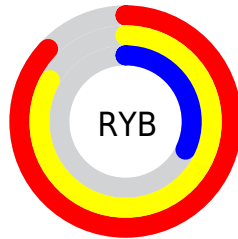
The XYZ color **42.0892, 37.4762, 12.9979** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.0857, 30.1240, 72.7404**, and the grayscale version is **34.9227, 36.7413, 40.0113**.

A 20% lighter version of the original color is **66.8296, 65.6653, 31.3427**, and **19.5425, 16.5266, 3.5988** is the 20% darker color. If you saturate the color by 10%, you get **39.6570, 33.7481, 8.6852**, and if you desaturate by 10%, it is **44.9719, 41.6724, 18.7971**.

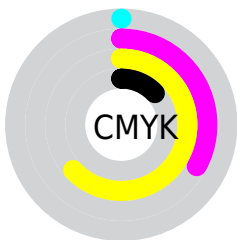
Distribution



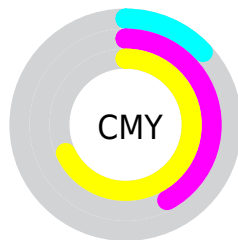
- Red (87%)
- Green (58%)
- Blue (32%)



- Red (87%)
- Yellow (83%)
- Blue (32%)



- Cyan (0%)
- Magenta (33%)
- Yellow (63%)
- Black (13%)





- Cyan (13%)
- Magenta (42%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0892, 37.4762, 12.9979 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 42.0892, 37.4762, 12.9979 by changing the saturation by 10% instead.


 42.0892, 37.4762,
12.9979


 42.0892, 37.4762,
12.9979


345.8379,
335.3676, 222.1116


 29.3626, 25.5764,
7.2964


 77.5989, 71.3046,
31.9911


 19.5009, 16.5070,
3.5669


 101.1127, 94.0020,
46.1200


 12.1389, 9.8836,
1.3909


 128.9529,
121.0673, 63.8950

 6.9112, 5.3219,
0.1346

 161.4849,
152.8850, 85.7347

 3.4525, 2.4373,
0.0000

 199.0741,
189.8395, 112.0576

 1.3973, 0.8450,
0.0000

242.0857,

 0.2543, 0.0000,

232.3152, 143.2824

0.0000

290.8852,
280.6964, 179.8276

■ 0.0000, 0.0000,
0.0000

■ 42.0892, 37.4762,
12.9979

■ 42.0892, 37.4762,
12.9979

■ 39.6570, 33.7481,
8.6852

■ 44.9719, 41.6724,
18.7971

■ 37.6406, 30.4613,
5.7128

■ 48.3309, 46.3503,
26.2062

■ 36.0027, 27.5941,
3.9073

■ 52.1927, 51.5296,
35.3377

■ 35.0278, 25.7904,
3.1319

■ 56.5810, 57.2268,
46.2934

■ 61.5176, 63.4579,
59.1673

■ 67.0232, 70.2378,
74.0466

■ 73.1170, 77.5809,
91.0132

■ 79.1994, 85.2536,
106.8891

■ 82.6870, 92.2288,
108.0516

Harmonies

Analogous

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



49.1046, 37.4762, 20.6525



42.0892, 37.4762, 12.9979



34.1583, 37.4762, 11.4100

Triad

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



42.0892, 37.4762, 12.9979



22.7804, 37.4762, 45.1991



45.0243, 37.4762, 86.0526

Complementary

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



42.0892, 37.4762, 12.9979



28.0857, 30.1240, 72.7404

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.



37.1229, 37.4762, 99.5247



42.0892, 37.4762, 12.9979



24.8620, 37.4762, 71.0544

Square

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



42.0892, 37.4762, 12.9979



23.7139, 37.4762, 25.6828



29.8502, 37.4762, 93.2239



50.9636, 37.4762, 60.9349

Rectangle

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



42.0892, 37.4762, 12.9979



29.5494, 37.4762, 13.2105



29.8502, 37.4762, 93.2239



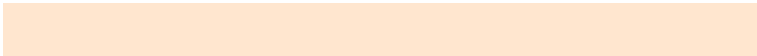
42.4698, 37.4762, 92.4397

Sweetspot

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



42.0901, 37.4781, 12.9986



80.7180, 82.2840, 70.3716



38.8481, 23.8118, 34.0606



16.8685, 17.0928, 14.0088



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.



42.0901, 37.4781, 12.9986



54.0372, 45.3850, 10.7254



55.9915, 65.2809, 17.6324



13.5714, 14.0822, 13.7284



20.4606, 15.2068, 1.8568



1.4115, 1.1572, 0.1490

Inverse Universe

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



28.0857, 30.1240, 72.7404



33.2111, 34.4277, 99.5025



19.9096, 13.7718, 70.0151



12.8938, 13.7272, 16.6222



11.2219, 10.3133, 41.1376



0.8132, 0.8404, 2.6938

Previews

White Background



This preview shows how the XYZ color 42.0892, 37.4762, 12.9979 looks on a white background.

Color Contrast Check

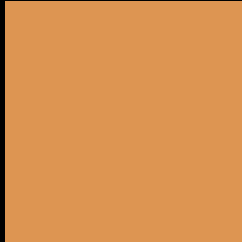
Large Text (above 18pt) WCAG AA × Fail

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 42.0892, 37.4762, 12.9979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

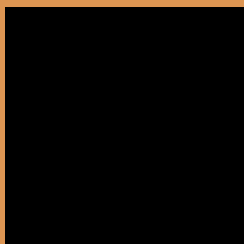
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0892, 37.4762, 12.9979

Background



This preview shows how black text looks on a background with the XYZ color 42.0892, 37.4762, 12.9979.



This preview shows how white text looks on a background with the XYZ color 42.0892, 37.4762,

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

42.0892, 37.4762, 12.9979

Protanopia

34.4668, 37.5435, 14.4468

Deuteranopia

38.4068, 37.5305, 12.8093



Tritanopia

46.5564, 37.4855, 34.4874

Trichromacy



Original Color

42.0892, 37.4762, 12.9979

Protanomaly

36.8028, 37.1879, 13.8326

Deuteranomaly

39.6191, 37.4069, 12.9167

Tritanomaly

44.5445, 37.3261, 24.9356

Monochromacy



Original Color

42.0892, 37.4762, 12.9979

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.2971, 36.3653, 27.6604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0892, 37.4762, 12.9979 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(221, 149, 82)` looks like.

```
.text, #text, p{  
    color:rgb(221, 149, 82)  
}
```

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(221, 149, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 149, 82) }
```

Border

The CSS property to change the border of an element to XYZ 42.0892, 37.4762, 12.9979 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(221, 149, 82) }
```


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

```
.border{ border-color:rgb(221, 149, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 149, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 149, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 149, 82);  
box-shadow:4px 4px 4px 4px rgb(221, 149,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0892, 37.4762, 12.9979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 149, 82) }
```

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

```
.background{ background-color: rgb(221,  
149, 82) }
```

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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