

Converting Colors

XYZ(42.2257, 37.1046, 13.2885)

Have a look what the booklet for
XYZ(42.2257, 37.1046, 13.2885)
contains.

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Color

**XYZ(42.1582, 37.0371,
13.3144)**

Conversions

Conversions Part 1

Format	Color
Hex	DE9354
RGB	222, 147, 84
RGB Percent	87%, 58%, 33%
CMY	0.1294, 0.4235, 0.6706
CMYK	0.00, 0.34, 0.62, 0.13
HSL	27°, 68%, 60%
HSV	27°, 62%, 87%
XYZ	42.1582, 37.0371, 13.3144
YIQ	162.2430, 64.9230, -3.6930

Conversions

Conversions Part 2

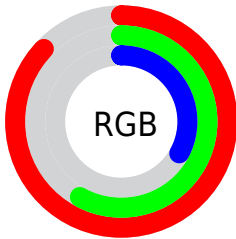
Format	Color
R _{YB}	222, 200, 84
Decimal	14586708
CIE Lab	67.30, 22.24, 44.36
CIE LCh	67, 49.623, 63.370
Yxy	37.0371, 0.4557, 0.4004
Android (android.graphics.Color)	4292776788 (0xFFDE9354)
YUV	162.2430, -38.5738, 52.4069
Hunter-Lab	60.8581, 17.1505, 29.6293

Details

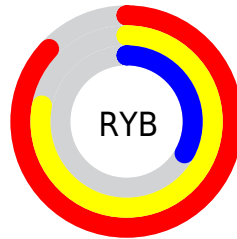
The XYZ color **42.1582, 37.0371, 13.3144** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **29.2385, 31.9536, 73.7337**, and the grayscale version is **34.6114, 36.4139, 39.6548**.

A 20% lighter version of the original color is **66.4998, 64.7826, 31.9210**, and **19.5905, 16.2736, 3.6987** is the 20% darker color. If you saturate the color by 10%, you get **39.6440, 33.1868, 8.8452**, and if you desaturate by 10%, it is **45.1464, 41.3948, 19.3013**.

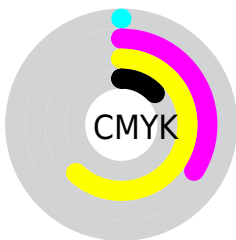
Distribution



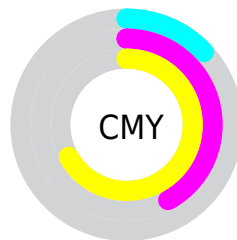
- Red (87%)
- Green (58%)
- Blue (33%)



- Red (87%)
- Yellow (78%)
- Blue (33%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1582, 37.0371, 13.3144 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 42.1582, 37.0371, 13.3144 by changing the saturation by 10% instead.


 42.1582, 37.0371,
13.3144


 42.1582, 37.0371,
13.3144


346.1188,
333.4711, 224.2010

 29.4168, 25.2362,
7.5121


 77.7027, 70.6298,
32.5669


 19.5422, 16.2531,
3.7011

 101.2365, 93.1905,
46.8542


 12.1691, 9.7035,
1.4629


 129.0985,
120.1065, 64.8070

 6.9319, 5.2028,
0.1900

 161.6540,
151.7623, 86.8437

 3.4655, 2.3667,
0.0000

 199.2685,
188.5423, 113.3829

 1.4045, 0.8087,
0.0000

242.3072,

 0.2594, 0.0000,

230.8308, 144.8432

0.0000

291.1355,
279.0123, 181.6430

■ 0.0000, 0.0000,
0.0000

■ 42.1582, 37.0371,
13.3144

■ 42.1582, 37.0371,
13.3144

■ 39.6440, 33.1868,
8.8452

■ 45.1464, 41.3948,
19.3013

■ 37.5681, 29.8155,
5.7471

■ 48.6353, 46.2754,
26.9297

■ 35.8925, 26.8994,
3.8473

■ 52.6523, 51.7002,
36.3129

■ 34.8124, 24.9062,
2.9726

■ 57.2220, 57.6874,
47.5535

■ 62.3670, 64.2545,
60.7460

■ 68.1087, 71.4178,
75.9786

■ 74.4674, 79.1931,
93.3338

■ 80.3809, 87.1631,
107.1954

■ 83.9341, 94.2696,
108.3798

Harmonies

Analogous

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



48.8524, 37.0371, 21.4286



42.1582, 37.0371, 13.3144



34.3518, 37.0371, 11.3376

Triad

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



42.1582, 37.0371, 13.3144



22.5506, 37.0371, 42.8341



43.8561, 37.0371, 86.2759

Complementary

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



42.1582, 37.0371, 13.3144



29.2385, 31.9536, 73.7337

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.



36.0675, 37.0371, 98.0996



42.1582, 37.0371, 13.3144



24.3665, 37.0371, 67.9639

Square

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



42.1582, 37.0371, 13.3144



23.7014, 37.0371, 24.3432



29.0576, 37.0371, 90.4196



49.9274, 37.0371, 62.1140

Rectangle

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



42.1582, 37.0371, 13.3144



29.7250, 37.0371, 12.8400



29.0576, 37.0371, 90.4196



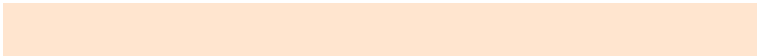
41.3150, 37.0371, 92.1526

Sweetspot

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



42.1591, 37.0390, 13.3151



80.3757, 81.5993, 70.2574



39.6311, 24.4051, 35.8340



16.7861, 16.9279, 13.9813



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.



42.1591, 37.0390, 13.3151



53.2357, 43.7821, 10.4582



56.0503, 64.8214, 17.9455



14.2202, 14.7263, 14.3998



20.7862, 15.0103, 1.8017



1.5295, 1.2178, 0.1544

Inverse Universe

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



29.2385, 31.9536, 73.7337



34.0923, 36.1900, 99.7963



20.5738, 14.6242, 70.8454



13.5661, 14.4714, 17.4659



11.9797, 11.4289, 42.6230



0.9196, 0.9706, 2.9841

Previews

White Background



This preview shows how the XYZ color 42.1582, 37.0371, 13.3144 looks on a white background.

Color Contrast Check

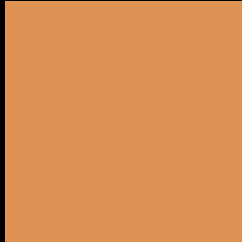
Large Text (above 18pt) WCAG AA × Fail

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 42.1582, 37.0371, 13.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

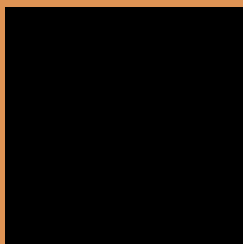
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1582, 37.0371, 13.3144

Background



This preview shows how black text looks on a background with the XYZ color 42.1582, 37.0371, 13.3144.



This preview shows how white text looks on a background with the XYZ color 42.1582, 37.0371,

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

42.1582, 37.0371, 13.3144

Protanopia

34.1770, 37.1129, 15.0350

Deuteranopia

37.7686, 36.9427, 13.1227



Tritanopia

46.4162, 36.9981, 33.5491

Trichromacy



Original Color

42.1582, 37.0371, 13.3144

Protanomaly

36.7533, 36.8941, 14.4167

Deuteranomaly

39.2471, 36.9623, 13.2495

Tritanomaly

44.4902, 36.8599, 24.5084

Monochromacy



Original Color

42.1582, 37.0371, 13.3144

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.1272, 36.0255, 27.6038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1582, 37.0371, 13.3144 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(222, 147, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 147, 84)  
}
```

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(222, 147, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 147, 84) }
```

Border

The CSS property to change the border of an element to XYZ 42.1582, 37.0371, 13.3144 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(222, 147, 84) }
```


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

```
.border{ border-color:rgb(222, 147, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 147, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 147, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 147, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 147,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1582, 37.0371, 13.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 147, 84) }
```

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

```
.background{ background-color: rgb(222,  
147, 84) }
```

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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