

Converting Colors

XYZ(42.0328, 33.1593, 15.3917)

Have a look what the booklet for
XYZ(42.0328, 33.1593, 15.3917)
contains.

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Color

**XYZ(42.0028, 33.0576,
15.4762)**

Conversions

Conversions Part 1

Format	Color
Hex	E48161
RGB	228, 129, 97
RGB Percent	89%, 51%, 38%
CMY	0.1059, 0.4941, 0.6196
CMYK	0.00, 0.43, 0.57, 0.11
HSL	15°, 71%, 64%
HSV	15°, 57%, 89%
XYZ	42.0028, 33.0576, 15.4762
YIQ	154.9530, 69.2760, 11.0360

Conversions

Conversions Part 2

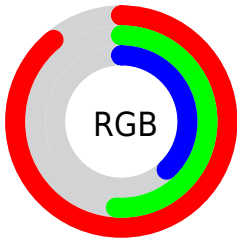
Format	Color
RYB	228, 139, 97
Decimal	14975329
CIELab	64.21, 35.12, 33.91
CIELCh	64, 48.825, 43.995
Yxy	33.0576, 0.4639, 0.3651
Android (android.graphics.Color)	4293165409 (0xFFE48161)
YUV	154.9530, -28.5708, 64.0622
Hunter-Lab	57.4957, 29.7834, 24.2879

Details

The XYZ color **42.0028, 33.0576, 15.4762** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **38.6719, 47.6198, 80.5516**, and the grayscale version is **31.2368, 32.8635, 35.7884**.

A 20% lighter version of the original color is **63.5188, 57.2651, 35.7224**, and **19.4486, 14.0039, 4.6956** is the 20% darker color. If you saturate the color by 10%, you get **39.0072, 28.5303, 9.9652**, and if you desaturate by 10%, it is **45.6882, 38.4758, 22.7246**.

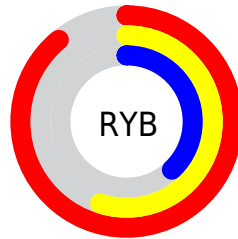
Distribution



Red (89%)

Green (51%)

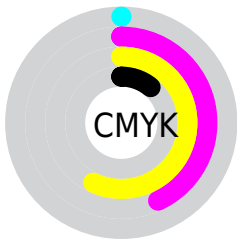
Blue (38%)



Red (89%)

Yellow (55%)

Blue (38%)

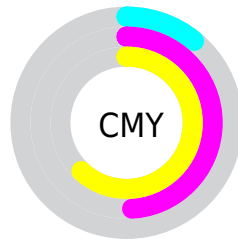


Cyan (0%)

Magenta (43%)

Yellow (57%)

Black (11%)



Cyan (11%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0028, 33.0576, 15.4762 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 42.0028, 33.0576, 15.4762 by changing the saturation by 10% instead.


 42.0028, 33.0576,
15.4762


 42.0028, 33.0576,
15.4762


345.4860,
315.9092, 237.9700


 29.2946, 22.1706,
9.0040


 77.4690, 64.4654,
36.4405


 19.4492, 13.9823,
4.6469


 100.9577, 85.7551,
51.7696

 12.1012, 8.1083,
1.9865


 128.7706,
111.2810, 70.8881

 6.8853, 4.1644,
0.5470

 161.2731,
141.4276, 94.2145

 3.4362, 1.7659,
0.0000

198.8306,
176.5794, 122.1673

 1.3884, 0.4658,
0.0000

241.8083,

 0.2479, 0.0000,

217.1206, 155.1652

0.0000

290.5716,
263.4358, 193.6265

■ 0.0000, 0.0000,
0.0000

■ 42.0028, 33.0576,
15.4762

■ 42.0028, 33.0576,
15.4762

■ 39.0072, 28.5303,
9.9652

■ 45.6882, 38.4758,
22.7246

■ 36.6528, 24.8397,
6.0413

■ 50.1025, 44.8251,
31.8398

■ 34.8878, 21.9331,
3.5314

■ 55.2847, 52.1490,
42.9409

■ 33.6470, 19.7477,
2.2049

■ 61.2703, 60.4871,
56.1365

■ 33.3946, 19.2937,
1.9640

■ 68.0923, 69.8764,
71.5272

■ 75.7820, 80.3522,
89.2073

■ 84.1101, 91.8447,
107.9025

■ 85.8047, 95.2339,
108.4673

Harmonies

Analogous

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



46.1880, 33.0576, 27.5389



42.0028, 33.0576, 15.4762



35.2354, 33.0576, 10.3775

Triad

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



42.0028, 33.0576, 15.4762



20.2827, 33.0576, 26.4725



34.7508, 33.0576, 87.1073

Complementary

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



42.0028, 33.0576, 15.4762



38.6719, 47.6198, 80.5516

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.



27.8909, 33.0576, 86.4849



42.0028, 33.0576, 15.4762



20.1926, 33.0576, 46.0238

Square

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



42.0028, 33.0576, 15.4762



23.0512, 33.0576, 14.9438



22.7836, 33.0576, 69.5003



41.6034, 33.0576, 70.9769

Rectangle

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



42.0028, 33.0576, 15.4762



30.5019, 33.0576, 9.7846



22.7836, 33.0576, 69.5003



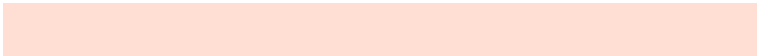
32.3569, 33.0576, 88.9936

Sweetspot

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



42.0036, 33.0593, 15.4768



79.2650, 78.3667, 73.0047



46.3973, 29.0946, 56.2543



16.6122, 16.2836, 14.8379



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.



42.0036, 33.0593, 15.4768



49.6174, 35.7538, 11.6927



53.2371, 55.5263, 19.2213



14.6615, 14.9370, 15.0148



19.3613, 11.2968, 1.1600



1.5024, 0.9781, 0.1096

Inverse Universe

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



38.6719, 47.6198, 80.5516



44.8250, 55.9771, 103.0499



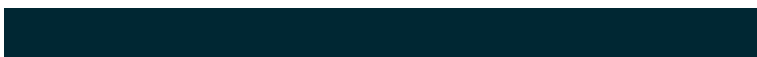
27.1757, 24.6275, 76.7196



14.4935, 15.7084, 18.4125



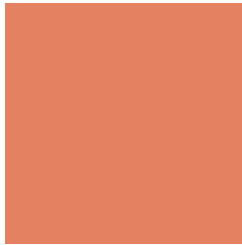
16.7346, 20.5313, 45.4641



1.3080, 1.6600, 3.3834

Previews

White Background



This preview shows how the XYZ color 42.0028, 33.0576, 15.4762 looks on a white background.

Color Contrast Check

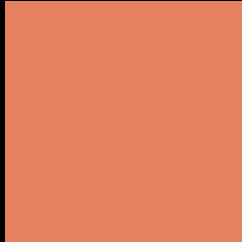
Large Text (above 18pt) WCAG AA × Fail

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 42.0028, 33.0576, 15.4762 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 42.0028, 33.0576, 15.4762

Background



This preview shows how black text looks on a background with the XYZ color 42.0028, 33.0576, 15.4762.



This preview shows how white text looks on a background with the XYZ color 42.0028, 33.0576,

15.4762.

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

42.0028, 33.0576, 15.4762

Protanopia

30.9574, 33.2947, 18.9822

Deuteranopia

33.7095, 33.1040, 14.9690



Tritanopia

44.0744, 32.9318, 26.2238

Trichromacy



Original Color

42.0028, 33.0576, 15.4762

Protanomaly

34.0128, 32.5044, 17.5780

Deuteranomaly

36.3220, 32.8507, 15.0161

Tritanomaly

43.1641, 32.9358, 21.8515

Monochromacy



Original Color

42.0028, 33.0576, 15.4762

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.8734, 32.2241, 26.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0028, 33.0576, 15.4762 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(228, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(228, 129, 97)  
}
```

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(228, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 129, 97) }
```

Border

The CSS property to change the border of an element to XYZ 42.0028, 33.0576, 15.4762 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(228, 129, 97) }
```


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

```
.border{ border-color:rgb(228, 129, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 129, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(228, 129,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0028, 33.0576, 15.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 129, 97) }
```

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

```
.background{ background-color: rgb(228,  
129, 97) }
```

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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