

Converting Colors

XYZ(42.9187, 32.9198, 14.2357)

Have a look what the booklet for
XYZ(42.9187, 32.9198, 14.2357)
contains.

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Color

**XYZ(42.9969, 33.0181,
14.2322)**

Conversions

Conversions Part 1

Format	Color
Hex	E97E5C
RGB	233, 126, 92
RGB Percent	91%, 49%, 36%
CMY	0.0863, 0.5059, 0.6392
CMYK	0.00, 0.46, 0.61, 0.09
HSL	14°, 76%, 64%
HSV	14°, 61%, 91%
XYZ	42.9969, 33.0181, 14.2322
YIQ	154.1170, 74.6860, 12.1100

Conversions

Conversions Part 2

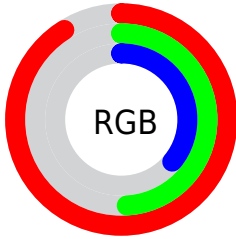
Format	Color
RYB	233, 137, 92
Decimal	15302236
CIELab	64.18, 38.24, 36.73
CIElCh	64, 53.027, 43.846
Yxy	33.0181, 0.4764, 0.3659
Android (android.graphics.Color)	4293492316 (0xFFE97E5C)
YUV	154.1170, -30.6237, 69.1804
Hunter-Lab	57.4614, 33.0096, 25.5378

Details

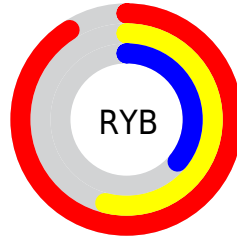
The XYZ color **42.9969, 33.0181, 14.2322** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **39.5436, 49.0024, 84.4646**, and the grayscale version is **30.8748, 32.4827, 35.3737**.

A 20% lighter version of the original color is **62.5192, 55.8857, 33.4785**, and **19.9357, 13.8577, 4.1067** is the 20% darker color. If you saturate the color by 10%, you get **40.0661, 28.5437, 8.9795**, and if you desaturate by 10%, it is **46.6420, 38.4203, 21.2683**.

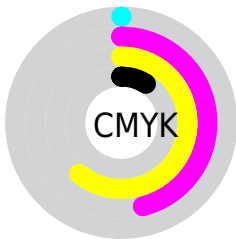
Distribution



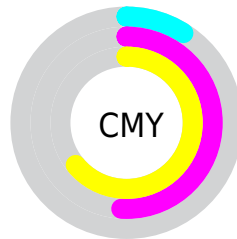
- Red (91%)
- Green (49%)
- Blue (36%)



- Red (91%)
- Yellow (54%)
- Blue (36%)



- Cyan (0%)
- Magenta (46%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9969, 33.0181, 14.2322 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 42.9969, 33.0181, 14.2322 by changing the saturation by 10% instead.


 42.9969, 33.0181,
14.2322

 42.9969, 33.0181,
14.2322

349.5207,
315.7313, 230.1490

 30.0772, 22.1403,
8.1417


 78.9619, 64.4038,
34.2235


 20.0456, 13.9600,
4.0967


 102.7380, 85.6805,
48.9614

 12.5366, 8.0929,
1.6785


 130.8635,
111.1923, 67.4190

 7.1850, 4.1544,
0.3460

 163.7038,
141.3235, 90.0146

 3.6254, 1.7603,
0.0000

201.6244,
176.4587, 117.1669

 1.4925, 0.4623,
0.0000

244.9905,

 0.3207, 0.0000,

216.9821, 149.2943

0.0000

294.1675,
263.2781, 186.8156

0.0000, 0.0000,
0.0000

42.9969, 33.0181,
14.2322

42.9969, 33.0181,
14.2322

40.0661, 28.5437,
8.9795

46.6420, 38.4203,
21.2683

37.7964, 24.9379,
5.3448

51.0445, 44.7946,
30.2295

36.1302, 22.1425,
3.1339

56.2467, 52.1884,
41.2453

35.0277, 20.1708,
2.0472

62.2871, 60.6444,
54.4331

69.2014, 70.2031,
69.9015

■ 77.0233, 80.9024,
87.7521

■ 85.7684, 92.7722,
107.9941

■ 87.4141, 96.0635,
108.5426

Harmonies

Analogous

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



47.6027, 33.0181, 26.9309



42.9969, 33.0181, 14.2322



35.5759, 33.0181, 9.0555

Triad

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



42.9969, 33.0181, 14.2322



19.4514, 33.0181, 25.6252



34.9685, 33.0181, 92.9416

Complementary

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



42.9969, 33.0181, 14.2322



39.5436, 49.0024, 84.4646

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.



27.5327, 33.0181, 92.1318



42.9969, 33.0181, 14.2322



19.3421, 33.0181, 46.7893

Square

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



42.9969, 33.0181, 14.2322



22.4014, 33.0181, 13.6065



22.0745, 33.0181, 72.9020



42.4915, 33.0181, 74.8057

Rectangle

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



42.9969, 33.0181, 14.2322



30.4236, 33.0181, 8.4550



22.0745, 33.0181, 72.9020



32.3618, 33.0181, 95.0464

Sweetspot

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



42.9977, 33.0198, 14.2328



78.3989, 77.1442, 71.1448



47.8683, 29.1529, 57.8089



16.2770, 15.8125, 14.1117



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.



42.9977, 33.0198, 14.2328



48.2982, 33.6651, 9.5583



55.1407, 57.3059, 18.2805



15.3604, 15.6439, 15.7287



19.9561, 11.6063, 1.1884



1.6401, 1.0576, 0.1177

Inverse Universe

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



39.5436, 49.0024, 84.4646



43.5660, 54.6245, 102.8552



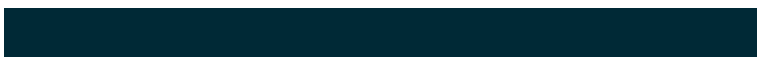
27.0513, 24.0178, 80.3005



15.1920, 16.4705, 19.3007



17.3460, 21.3391, 46.9476



1.4357, 1.8229, 3.7111

Previews

White Background



This preview shows how the XYZ color 42.9969, 33.0181, 14.2322 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 42.9969, 33.0181, 14.2322 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 42.9969, 33.0181, 14.2322

Background



This preview shows how black text looks on a background with the XYZ color 42.9969, 33.0181, 14.2322.



This preview shows how white text looks on a background with the XYZ color 42.9969, 33.0181,

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

42.9969, 33.0181, 14.2322

Protanopia

30.6988, 33.1912, 17.6205

Deuteranopia

33.7030, 33.1302, 13.6352



Tritanopia

45.1276, 32.9486, 25.1003

Trichromacy



Original Color

42.9969, 33.0181, 14.2322

Protanomaly

34.1158, 32.3581, 16.2520

Deuteranomaly

36.7816, 32.8928, 13.8615

Tritanomaly

44.1670, 32.9193, 20.5492

Monochromacy



Original Color

42.9969, 33.0181, 14.2322

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.5984, 31.6525, 25.8114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9969, 33.0181, 14.2322 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(233, 126, 92)` looks like.

```
.text, #text, p{  
    color:rgb(233, 126, 92)  
}
```

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(233, 126, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 126, 92) }
```

Border

The CSS property to change the border of an element to XYZ 42.9969, 33.0181, 14.2322 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(233, 126, 92) }
```


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

```
.border{ border-color:rgb(233, 126, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 126, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 126, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 126, 92);  
box-shadow:4px 4px 4px 4px rgb(233, 126,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9969, 33.0181, 14.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 126, 92) }
```

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

```
.background{ background-color: rgb(233,  
126, 92) }
```

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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