

Converting Colors

XYZ(42.7010, 34.4719, 9.5361)

Have a look what the booklet for
XYZ(42.7010, 34.4719, 9.5361)
contains.

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Color

**XYZ(42.7872, 34.5993,
9.5775)**

Conversions

Conversions Part 1

Format	Color
Hex	E88642
RGB	232, 134, 66
RGB Percent	91%, 53%, 26%
CMY	0.0902, 0.4745, 0.7412
CMYK	0.00, 0.42, 0.72, 0.09
HSL	25°, 78%, 58%
HSV	25°, 72%, 91%
XYZ	42.7872, 34.5993, 9.5775
YIQ	155.5500, 80.2360, -0.3720

Conversions

Conversions Part 2

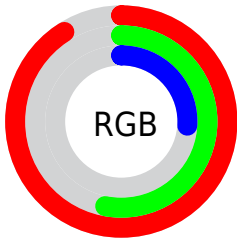
Format	Color
R _Y B	232, 181, 66
Decimal	15238722
CIE Lab	65.44, 32.19, 51.46
CIE LCh	65, 60.697, 57.974
Yxy	34.5993, 0.4920, 0.3979
Android (android.graphics.Color)	4293428802 (0xFFE88642)
YUV	155.5500, -44.1482, 67.0466
Hunter-Lab	58.8212, 26.9059, 31.5210

Details

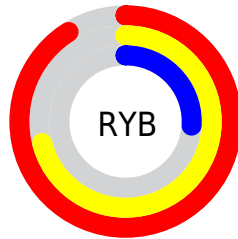
The XYZ color **42.7872, 34.5993, 9.5775** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **30.0869, 33.5337, 81.2304**, and the grayscale version is **31.5656, 33.2095, 36.1651**.

A 20% lighter version of the original color is **62.4341, 58.5108, 24.8327**, and **19.9605, 14.8735, 2.1996** is the 20% darker color. If you saturate the color by 10%, you get **40.4649, 30.8366, 6.0859**, and if you desaturate by 10%, it is **45.6335, 38.9669, 14.6120**.

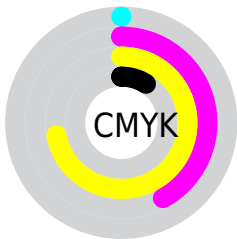
Distribution



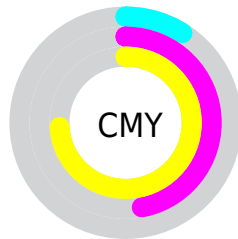
- Red (91%)
- Green (53%)
- Blue (26%)



- Red (91%)
- Yellow (71%)
- Blue (26%)



- Cyan (0%)
- Magenta (42%)
- Yellow (72%)
- Black (9%)





- Cyan (9%)
- Magenta (47%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7872, 34.5993, 9.5775 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 42.7872, 34.5993, 9.5775 by changing the saturation by 10% instead.


 42.7872, 34.5993,
9.5775


 42.7872, 34.5993,
9.5775

348.6723,
322.7961, 198.0034

 29.9120, 23.3544,
5.0178


 78.6474, 66.8646,
25.5930


 19.9195, 14.8554,
2.1988


 102.3630, 88.6537,
37.8859


 12.4445, 8.7180,
0.6737


 130.4228,
114.7263, 53.5936

 7.1215, 4.5577,
0.0000

 163.1922,
145.4669, 73.1347

 3.5852, 1.9902,
0.0000

 201.0365,
181.2597, 96.9277

 1.4703, 0.6017,
0.0000

244.3210,

 0.3055, 0.0000,

222.4893, 125.3911

0.0000

293.4112,
269.5400, 158.9435

■ 0.0000, 0.0000,
0.0000

■ 42.7872, 34.5993,
9.5775

■ 42.7872, 34.5993,
9.5775

■ 40.4649, 30.8366,
6.0859

■ 45.6335, 38.9669,
14.6120

■ 38.6190, 27.6402,
3.9431


■ 49.0401, 43.9636,
21.3480


■ 37.3747, 25.3480,
2.9228


■ 53.0424, 49.6183,
29.9262


■ 57.6716, 55.9565,
40.4720

■ 62.9567, 63.0020,
53.0995

 68.9244, 70.7774,
67.9142

 75.6003, 79.3040,
85.0143

 83.0080, 88.6025,
104.4920

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



50.3699, 34.5993, 19.0880



42.7872, 34.5993, 9.5775



33.4923, 34.5993, 6.9025

Triad

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



42.7872, 34.5993, 9.5775



18.6131, 34.5993, 35.9722



41.5545, 34.5993, 99.3918

Complementary

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



42.7872, 34.5993, 9.5775



30.0869, 33.5337, 81.2304

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.



32.2863, 34.5993, 110.6322



42.7872, 34.5993, 9.5775



20.0030, 34.5993, 65.5523

Square

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



42.7872, 34.5993, 9.5775



20.4390, 34.5993, 17.2494



24.6431, 34.5993, 96.1310



49.5730, 34.5993, 69.9752

Rectangle

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



42.7872, 34.5993, 9.5775



27.8970, 34.5993, 7.6901



24.6431, 34.5993, 96.1310



38.4360, 34.5993, 105.8747

Sweetspot

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



42.7880, 34.6011, 9.5781



78.3271, 78.4811, 66.5564



42.0732, 23.7910, 38.2592



16.3561, 16.2580, 13.2521



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.



42.7880, 34.6011, 9.5781



48.9562, 36.1901, 6.0503



58.6643, 66.3538, 14.8702



14.8594, 15.3328, 15.0808



20.8659, 14.3059, 1.6616



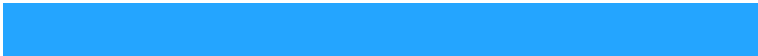
1.6314, 1.2362, 0.1526

Inverse Universe

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



30.0869, 33.5337, 81.2304



32.2510, 34.5574, 99.5782



19.8752, 13.1103, 77.8265



14.2865, 15.2944, 18.3435



13.1759, 13.4139, 44.2779



1.0645, 1.1730, 3.3023

Previews

White Background



This preview shows how the XYZ color 42.7872, 34.5993, 9.5775 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 42.7872, 34.5993, 9.5775 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 42.7872, 34.5993, 9.5775

Background



This preview shows how black text looks on a background with the XYZ color 42.7872, 34.5993, 9.5775.



This preview shows how white text looks on a background with the XYZ color 42.7872, 34.5993,

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

42.7872, 34.5993, 9.5775

Protanopia

31.9383, 34.9831, 11.5477

Deuteranopia

35.1976, 34.4759, 9.2143



Tritanopia

46.4261, 34.5038, 27.1347

Trichromacy



Original Color

42.7872, 34.5993, 9.5775

Protanomaly

35.2299, 34.4585, 10.7556

Deuteranomaly

37.6009, 34.3113, 9.3436

Tritanomaly

44.9257, 34.4885, 19.0409

Monochromacy



Original Color

42.7872, 34.5993, 9.5775

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.9322, 32.8002, 23.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7872, 34.5993, 9.5775 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(232, 134, 66)` looks like.

```
.text, #text, p{  
    color:rgb(232, 134, 66)  
}
```

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(232, 134, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 134, 66) }
```

Border

The CSS property to change the border of an element to XYZ 42.7872, 34.5993, 9.5775 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(232, 134, 66) }
```


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

```
.border{ border-color:rgb(232, 134, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 134, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 134, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 134, 66);  
box-shadow:4px 4px 4px 4px rgb(232, 134,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7872, 34.5993, 9.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 134, 66) }
```

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

```
.background{ background-color: rgb(232,  
134, 66) }
```

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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