

Converting Colors

XYZ(42.8870, 34.3214, 8.0081)

Have a look what the booklet for
XYZ(42.8870, 34.3214, 8.0081)
contains.

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Color

**XYZ(42.8725, 34.2708,
7.9697)**

Conversions

Conversions Part 1

Format	Color
Hex	EA8437
RGB	234, 132, 55
RGB Percent	92%, 52%, 22%
CMY	0.0824, 0.4823, 0.7843
CMYK	0.00, 0.44, 0.76, 0.08
HSL	26°, 81%, 57%
HSV	26°, 76%, 92%
XYZ	42.8725, 34.2708, 7.9697
YIQ	153.7200, 85.5090, -2.3230

Conversions

Conversions Part 2

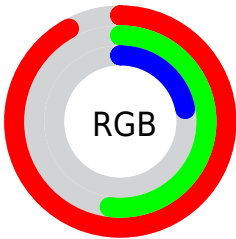
Format	Color
R _Y B	234, 190, 55
Decimal	15369271
CIE Lab	65.18, 33.56, 56.30
CIE LCh	65, 65.541, 59.203
Yxy	34.2708, 0.5037, 0.4027
Android (android.graphics.Color)	4293559351 (0xFFEA8437)
YUV	153.7200, -48.6690, 70.4056
Hunter-Lab	58.5413, 28.2767, 32.9073

Details

The XYZ color **42.8725, 34.2708, 7.9697** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.4828, 30.8647, 82.2975**, and the grayscale version is **30.7737, 32.3763, 35.2578**.

A 20% lighter version of the original color is **61.4527, 57.4393, 21.7579**, and **19.9557, 14.6555, 1.7770** is the 20% darker color. If you saturate the color by 10%, you get **40.7448, 30.7106, 5.1186**, and if you desaturate by 10%, it is **45.4985, 38.4031, 12.2981**.

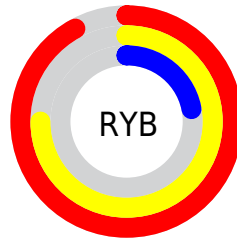
Distribution



Red (92%)

Green (52%)

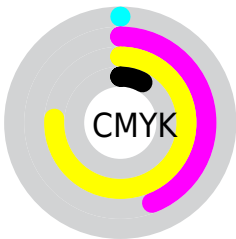
Blue (22%)



Red (92%)

Yellow (75%)

Blue (22%)

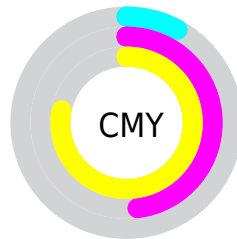


Cyan (0%)

Magenta (44%)

Yellow (76%)

Black (8%)



Cyan (8%)

Magenta (48%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8725, 34.2708, 7.9697 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 42.8725, 34.2708, 7.9697 by changing the saturation by 10% instead.

42.8725, 34.2708,
7.9697

42.8725, 34.2708,
7.9697

349.0176,
321.3379, 185.4199

29.9792, 23.1017,
3.9881

78.7753, 66.3546,
22.4442

19.9708, 14.6686,
1.6188

102.5156, 88.0380,
33.7742

12.4819, 8.5872,
0.3042

130.6021,
113.9951, 48.3907

7.1473, 4.4729,
0.0000

163.4004,
144.6101, 66.7122

3.6016, 1.9415,
0.0000

201.2757,
180.2675, 89.1574

1.4793, 0.5731,
0.0000

244.5934,

0.3117, 0.0000,

221.3517, 116.1447

0.0000

293.7189,
268.2470, 148.0927

■ 0.0000, 0.0000,
0.0000

■ 42.8725, 34.2708,
7.9697

■ 42.8725, 34.2708,
7.9697

■ 40.7448, 30.7106,
5.1186

■ 45.4985, 38.4031,
12.2981

■ 39.0627, 27.6830,
3.5201


■ 48.6619, 43.1318,
18.2795


■ 38.5528, 26.7351,
3.1284


■ 52.3998, 48.4857,
26.0667


■ 56.7446, 54.4899,
35.7942

■ 61.7263, 61.1675,
47.5838

 67.3723, 68.5408,
61.5470

 73.7086, 76.6305,
77.7873

 80.7595, 85.4568,
96.4015

 86.7937, 94.3368,
108.2421

Harmonies

Analogous

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



51.3058, 34.2708, 17.1366



42.8725, 34.2708, 7.9697



32.8285, 34.2708, 5.6110

Triad

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



42.8725, 34.2708, 7.9697



17.4848, 34.2708, 36.5910



42.3453, 34.2708, 104.3269

Complementary

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



42.8725, 34.2708, 7.9697



28.4828, 30.8647, 82.2975

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.



32.3195, 34.2708, 118.1064



42.8725, 34.2708, 7.9697



19.0657, 34.2708, 69.1814

Square

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



42.8725, 34.2708, 7.9697



19.2444, 34.2708, 16.3961



24.0718, 34.2708, 102.8871



50.9621, 34.2708, 71.1040

Rectangle

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



42.8725, 34.2708, 7.9697



26.9160, 34.2708, 6.4753



24.0718, 34.2708, 102.8871



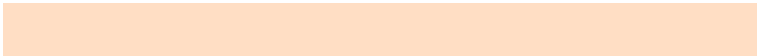
38.9726, 34.2708, 111.9398

Sweetspot

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



42.8733, 34.2726, 7.9703



77.2539, 77.2819, 63.2789



41.5920, 22.7426, 35.1886



16.0243, 15.8681, 12.2977



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.



42.8733, 34.2726, 7.9703



48.2469, 35.0660, 4.9062



59.9741, 68.4743, 13.6706



15.5984, 16.1197, 15.8080



21.7842, 15.2627, 1.7978



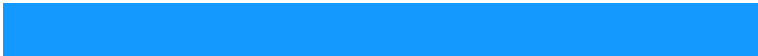
1.8044, 1.3862, 0.1725

Inverse Universe

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



28.4828, 30.8647, 82.2975



29.9146, 30.5087, 98.9198



18.6119, 11.1229, 79.0072



14.9436, 15.9737, 19.2179



13.2120, 13.0709, 45.5696



1.1327, 1.2168, 3.6100

Previews

White Background



This preview shows how the XYZ color 42.8725, 34.2708, 7.9697 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 42.8725, 34.2708, 7.9697 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 42.8725, 34.2708, 7.9697

Background



This preview shows how black text looks on a background with the XYZ color 42.8725, 34.2708, 7.9697.



This preview shows how white text looks on a background with the XYZ color 42.8725, 34.2708,

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

42.8725, 34.2708, 7.9697

Protanopia

31.3991, 34.4912, 9.5600

Deuteranopia

35.1742, 34.4971, 7.7105



Tritanopia

46.7012, 34.2859, 26.3467

Trichromacy



Original Color

42.8725, 34.2708, 7.9697

Protanomaly

34.8256, 33.8164, 8.8294

Deuteranomaly

37.7222, 34.1826, 7.7417

Tritanomaly

45.0642, 34.2032, 17.5913

Monochromacy



Original Color

42.8725, 34.2708, 7.9697

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.0773, 31.9331, 21.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8725, 34.2708, 7.9697 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(234, 132, 55)` looks like.

```
.text, #text, p{  
    color:rgb(234, 132, 55)  
}
```

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(234, 132, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 132, 55) }
```

Border

The CSS property to change the border of an element to XYZ 42.8725, 34.2708, 7.9697 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(234, 132, 55) }
```


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

```
.border{ border-color:rgb(234, 132, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 132, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 132, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 132, 55);  
box-shadow:4px 4px 4px 4px rgb(234, 132,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8725, 34.2708, 7.9697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 132, 55) }
```

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

```
.background{ background-color: rgb(234,  
132, 55) }
```

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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