

Converting Colors

XYZ(47.3061, 42.2910, 10.5108)

Have a look what the booklet for
XYZ(47.3061, 42.2910, 10.5108)
contains.

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Color

**XYZ(47.2433, 42.1463,
10.4955)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9D40
RGB	235, 157, 64
RGB Percent	92%, 62%, 25%
CMY	0.0784, 0.3843, 0.7490
CMYK	0.00, 0.33, 0.73, 0.08
HSL	33°, 81%, 59%
HSV	33°, 73%, 92%
XYZ	47.2433, 42.1463, 10.4955
YIQ	169.7200, 76.3410, -12.3870

Conversions

Conversions Part 2

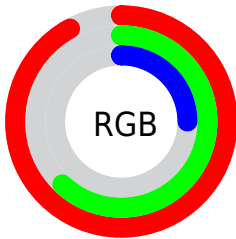
Format	Color
RYB	207, 235, 64
Decimal	15441216
CIELab	70.97, 21.19, 58.25
CIELCh	71, 61.984, 70.009
Yxy	42.1463, 0.4730, 0.4219
Android (android.graphics.Color)	4293631296 (0xFFEB9D40)
YUV	169.7200, -52.1200, 57.2506
Hunter-Lab	64.9202, 16.2866, 35.8588

Details

The XYZ color **47.2433, 42.1463, 10.4955** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **26.7820, 26.4327, 82.2871**, and the grayscale version is **38.2948, 40.2891, 43.8748**.

A 20% lighter version of the original color is **67.9944, 69.6313, 26.6861**, and **22.6151, 19.3089, 2.5638** is the 20% darker color. If you saturate the color by 10%, you get **44.9757, 38.4654, 7.1067**, and if you desaturate by 10%, it is **49.9535, 46.2623, 15.4215**.

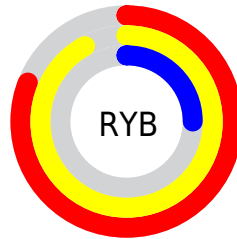
Distribution



Red (92%)

Green (62%)

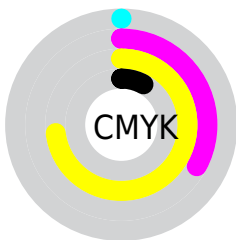
Blue (25%)



Red (81%)

Yellow (92%)

Blue (25%)

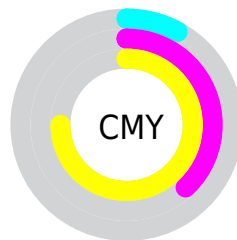


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (8%)



Cyan (8%)

Magenta (38%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2433, 42.1463, 10.4955 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 47.2433, 42.1463, 10.4955 by changing the saturation by 10% instead.

47.2433, 42.1463,
10.4955

47.2433, 42.1463,
10.4955

366.4176,
355.0890, 204.7845

33.4368, 29.2159,
5.6188

85.2932, 78.4210,
27.3457

22.6221, 19.2442,
2.5497

110.2673,
102.5340, 40.1562

14.4339, 11.8468,
0.8663

139.6947,
131.1434, 56.4485

8.5068, 6.6395,
0.0000

173.9406,
164.6335, 76.6410

4.4754, 3.2377,
0.0000

213.3705,
203.3887, 101.1524

1.9744, 1.2570,
0.0000

258.3498,

0.6195, 0.1076,

247.7935, 130.4010

0.0000

309.2437,
298.2321, 164.8056

■ 0.0000, 0.0000,
0.0000

■ 47.2433, 42.1463,
10.4955

■ 47.2433, 42.1463,
10.4955

■ 44.9757, 38.4654,
7.1067

■ 49.9535, 46.2623,
15.4215

■ 43.1056, 35.1899,
5.0508

■ 53.1388, 50.8274,
22.0496


■ 41.9557, 33.0521,
4.1684


■ 56.8313, 55.8622,
30.5255

■ 61.0590, 61.3839,
40.9789

■ 65.8475, 67.4083,
53.5273

 71.2207, 73.9505,
68.2790

 77.2007, 81.0247,
85.3351

 83.8087, 88.6445,
104.7899

 87.5853, 95.4313,
108.4116

Harmonies

Analogous

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



57.2875, 42.1463, 18.1654



47.2433, 42.1463, 10.4955



36.7036, 42.1463, 9.5659

Triad

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



47.2433, 42.1463, 10.4955



23.5039, 42.1463, 56.5083



54.2398, 42.1463, 104.7356

Complementary

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



47.2433, 42.1463, 10.4955



26.7820, 26.4327, 82.2871

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.



43.6125, 42.1463, 127.8405



47.2433, 42.1463, 10.4955



26.6852, 42.1463, 93.0608

Square

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



47.2433, 42.1463, 10.4955



24.1367, 42.1463, 29.0547



33.6423, 42.1463, 122.8332



61.7839, 42.1463, 68.2245

Rectangle

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



47.2433, 42.1463, 10.4955



30.9200, 42.1463, 12.1457



33.6423, 42.1463, 122.8332



50.8412, 42.1463, 114.9137

Sweetspot

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



47.2443, 42.1484, 10.4963



79.6708, 81.6461, 65.5321



41.1130, 23.3366, 28.6434



16.6994, 17.0374, 13.0806



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.



47.2443, 42.1484, 10.4963



53.0414, 44.4202, 7.2283



63.0422, 76.4936, 16.2929



15.7443, 16.4117, 15.8567



23.4798, 18.6538, 2.3630



1.9397, 1.6568, 0.2176

Inverse Universe

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



26.7820, 26.4327, 82.2871



27.2537, 24.6893, 97.9368



19.3332, 10.9562, 79.6924



14.7972, 15.6808, 19.1690



11.4067, 9.4603, 44.9678



0.9908, 0.9330, 3.5627

Previews

White Background



This preview shows how the XYZ color 47.2433, 42.1463, 10.4955 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 47.2433, 42.1463, 10.4955 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 47.2433, 42.1463, 10.4955

Background



This preview shows how black text looks on a background with the XYZ color 47.2433, 42.1463, 10.4955.



This preview shows how white text looks on a background with the XYZ color 47.2433, 42.1463,

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

47.2433, 42.1463, 10.4955

Protanopia

38.4584, 42.1711, 11.7431

Deuteranopia

42.9127, 41.9989, 10.2597



Tritanopia

52.8809, 42.0368, 37.6745

Trichromacy



Original Color

47.2433, 42.1463, 10.4955

Protanomaly

41.3102, 41.9658, 11.2331

Deuteranomaly

44.5303, 42.0358, 10.3241

Tritanomaly

50.3013, 41.9392, 24.5127

Monochromacy



Original Color

47.2433, 42.1463, 10.4955

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.8000, 40.0183, 27.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2433, 42.1463, 10.4955 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(235, 157, 64)` looks like.

```
.text, #text, p{  
    color:rgb(235, 157, 64)  
}
```

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(235, 157, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 157, 64) }
```

Border

The CSS property to change the border of an element to XYZ 47.2433, 42.1463, 10.4955 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(235, 157, 64) }
```


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

```
.border{ border-color:rgb(235, 157, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 157, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 157, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 157, 64);  
box-shadow:4px 4px 4px 4px rgb(235, 157,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2433, 42.1463, 10.4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 157, 64) }
```

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

```
.background{ background-color: rgb(235,  
157, 64) }
```

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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