

Converting Colors

XYZ(49.1805, 43.6586, 7.3030)

Have a look what the booklet for
XYZ(49.1805, 43.6586, 7.3030)
contains.

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Color

**XYZ(49.2906, 43.7833,
7.2920)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F29F21 |
| RGB | 242, 159, 33 |
| RGB Percent | 95%, 62%, 13% |
| CMY | 0.0510, 0.3764, 0.8706 |
| CMYK | 0.00, 0.34, 0.86, 0.05 |
| HSL | 36°, 89%, 54% |
| HSV | 36°, 86%, 95% |
| XYZ | 49.2906, 43.7833, 7.2920 |
| YIQ | 169.4530, 89.9140, -21.5900 |

Conversions

Conversions Part 2

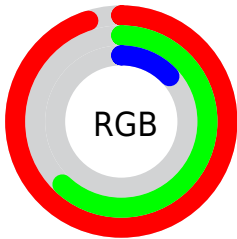
| Format | Color |
|-------------------------------------|---|
| RYB | 171, 242, 33 |
| Decimal | 15900449 |
| CIELab | 72.08, 22.04, 70.65 |
| CIELCh | 72, 74.007, 72.674 |
| Yxy | 43.7833, 0.4911, 0.4362 |
| Android (android.graphics.Color) | 4294090529 (0xFFFF29F21) |
| YUV | 169.4530, -67.2713, 63.6237 |
| Hunter-Lab | 66.1690, 17.1726, 39.7843 |

Details

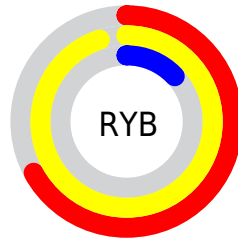
The XYZ color **49.2906, 43.7833, 7.2920** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.8995, 19.2247, 86.5076**, and the grayscale version is **38.2301, 40.2211, 43.8008**.

A 20% lighter version of the original color is **67.2183, 70.1258, 20.1181**, and **24.0801, 20.2187, 2.6334** is the 20% darker color. If you saturate the color by 10%, you get **47.4763, 40.5171, 5.5712**, and if you desaturate by 10%, it is **51.4781, 47.4081, 10.3354**.

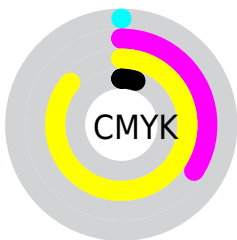
Distribution



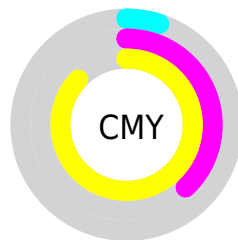
- Red (95%)
- Green (62%)
- Blue (13%)



- Red (67%)
- Yellow (95%)
- Blue (13%)



- Cyan (0%)
- Magenta (34%)
- Yellow (86%)
- Black (5%)





- Cyan (5%)
- Magenta (38%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2906, 43.7833, 7.2920 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 49.2906, 43.7833, 7.2920 by changing the saturation by 10% instead.


 49.2906, 43.7833,
7.2920


 49.2906, 43.7833,
7.2920


374.3832,
361.8233, 179.7904

 35.0655, 30.5002,
3.5642


 88.3210, 80.8916,
21.0811


 23.8801, 20.2186,
1.3894


 113.8571,
105.4855, 31.9794


 15.3690, 12.5540,
0.1335


 143.8943,
134.6185, 46.1050

 9.1667, 7.1222,
0.0000

 178.7978,
168.6750, 63.8763

 4.9081, 3.5386,
0.0000

 218.9331,
208.0393, 85.7120

 2.2276, 1.4190,
0.0000

 264.6656,

 0.7572, 0.2306,

253.0958, 112.0305

0.0000

316.3605,
304.2290, 143.2505

■ 0.0000, 0.0000,
0.0000

■ 49.2906, 43.7833,
7.2920

■ 49.2906, 43.7833,
7.2920

■ 47.4763, 40.5171,
5.5712

■ 51.4781, 47.4081,
10.3354

■ 46.8811, 39.4040,
5.1348

■ 54.0837, 51.4084,
14.9370

■ 57.1471, 55.8062,
21.2882

■ 60.7017, 60.6192,
29.5522

■ 64.7774, 65.8634,
39.8732

69.4012, 71.5536,
52.3813

74.5980, 77.7038,
67.1959

80.3911, 84.3269,
84.4276

86.8024, 91.4354,
104.1800

Harmonies

Analogous

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



62.1929, 43.7833, 14.3181



49.2906, 43.7833, 7.2920



36.5005, 43.7833, 6.8812

Triad

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



49.2906, 43.7833, 7.2920



22.1015, 43.7833, 64.6572



60.3851, 43.7833, 119.4635

Complementary

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



49.2906, 43.7833, 7.2920



22.8995, 19.2247, 86.5076

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.



47.1856, 43.7833, 153.1188



49.2906, 43.7833, 7.2920



26.1647, 43.7833, 112.2353

Square

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



49.2906, 43.7833, 7.2920



22.4385, 43.7833, 29.7838



34.7802, 43.7833, 149.9539



69.4366, 43.7833, 71.5853

Rectangle

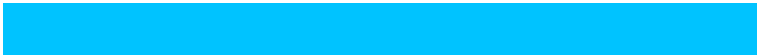
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2906, 43.7833, 7.2920



29.8111, 43.7833, 9.7813



34.7802, 43.7833, 149.9539



56.1833, 43.7833, 133.6919

Sweetspot

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



49.2916, 43.7856, 7.2928



78.3214, 80.7783, 59.4373



40.3493, 21.2402, 18.6808



16.3601, 16.7999, 11.6075



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.



49.2916, 43.7856, 7.2928



52.7524, 44.2848, 5.7675



61.8757, 79.0015, 13.4269



16.5656, 17.3443, 16.6244



25.3223, 21.4426, 2.8042



2.2034, 1.9776, 0.2656

Inverse Universe

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



22.8995, 19.2247, 86.5076



22.7292, 16.5783, 96.6097



18.0872, 8.2805, 84.6488



15.4123, 16.2587, 20.0475



10.9864, 8.1970, 46.1310



1.0085, 0.8710, 3.8692

Previews

White Background



This preview shows how the XYZ color 49.2906, 43.7833, 7.2920 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 49.2906, 43.7833, 7.2920 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 49.2906, 43.7833, 7.2920

Background



This preview shows how black text looks on a background with the XYZ color 49.2906, 43.7833, 7.2920.



This preview shows how white text looks on a background with the XYZ color 49.2906, 43.7833,

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

49.2906, 43.7833, 7.2920

Protanopia

39.8234, 44.1228, 8.2514

Deuteranopia

44.9409, 43.9317, 7.1479



Tritanopia

55.5593, 43.6395, 38.2959

Trichromacy



Original Color

49.2906, 43.7833, 7.2920

Protanomaly

42.9057, 43.7003, 7.8427

Deuteranomaly

46.6319, 43.9879, 7.1951

Tritanomaly

52.2149, 43.2416, 21.2172

Monochromacy



Original Color

49.2906, 43.7833, 7.2920

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.6102, 40.0021, 23.4028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2906, 43.7833, 7.2920 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(242, 159, 33)` looks like.

```
.text, #text, p{  
    color:rgb(242, 159, 33)  
}
```

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(242, 159, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 159, 33) }
```

Border

The CSS property to change the border of an element to XYZ 49.2906, 43.7833, 7.2920 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(242, 159, 33) }
```


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

```
.border{ border-color:rgb(242, 159, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 159, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 159, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 159, 33);  
box-shadow:4px 4px 4px 4px rgb(242, 159,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2906, 43.7833, 7.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 159, 33) }
```

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

```
.background{ background-color: rgb(242,  
159, 33) }
```

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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