

Converting Colors

XYZ(48.9568, 42.0415, 10.3745)

Have a look what the booklet for
XYZ(48.9568, 42.0415, 10.3745)
contains.

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Color

**XYZ(48.9346, 42.0299,
10.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	F29940
RGB	242, 153, 64
RGB Percent	95%, 60%, 25%
CMY	0.0510, 0.4000, 0.7490
CMYK	0.00, 0.37, 0.74, 0.05
HSL	30°, 87%, 60%
HSV	30°, 74%, 95%
XYZ	48.9346, 42.0299, 10.3839
YIQ	169.4650, 81.6130, -8.8110

Conversions

Conversions Part 2

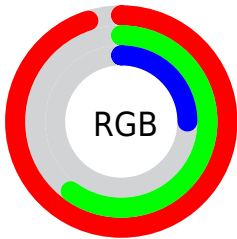
Format	Color
R _{YB}	242, 242, 64
Decimal	15898944
CIE Lab	70.89, 26.21, 58.44
CIE LCh	71, 64.045, 65.845
Yxy	42.0299, 0.4828, 0.4147
Android (android.graphics.Color)	4294089024 (0xFFFF29940)
YUV	169.4650, -51.9942, 63.6132
Hunter-Lab	64.8305, 21.2800, 35.8848

Details

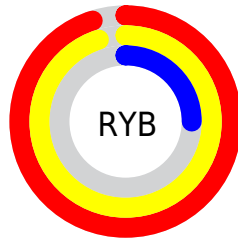
The XYZ color **48.9346, 42.0299, 10.3839** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.5318, 30.2816, 88.2922**, and the grayscale version is **38.1652, 40.1528, 43.7264**.

A 20% lighter version of the original color is **66.9483, 67.6327, 26.0489**, and **23.7207, 19.1355, 2.5007** is the 20% darker color. If you saturate the color by 10%, you get **46.5086, 38.0516, 6.8833**, and if you desaturate by 10%, it is **51.8618, 46.5336, 15.5250**.

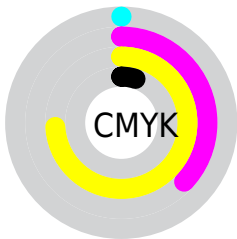
Distribution



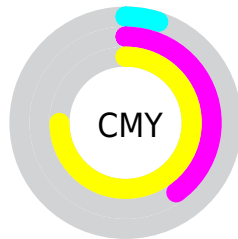
- Red (95%)
- Green (60%)
- Blue (25%)



- Red (95%)
- Yellow (95%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9346, 42.0299, 10.3839 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 48.9346, 42.0299, 10.3839 by changing the saturation by 10% instead.


 48.9346, 42.0299,
10.3839

 48.9346, 42.0299,
10.3839


373.0060,
354.6069, 203.9739


 34.7819, 29.1247,
5.5453


 87.7956, 78.2449,
27.1341

 23.6607, 19.1752,
2.5064


 113.2347,
102.3234, 39.8829


 15.2055, 11.7969,
0.8435


 143.1666,
130.8953, 56.1054

 9.0510, 6.6056,
0.0000

 177.9566,
164.3447, 76.2203

 4.8318, 3.2167,
0.0000

 217.9703,
203.0562, 100.6460

 2.1827, 1.2459,
0.0000

263.5728,

 0.7336, 0.0987,

247.4141, 129.8011

0.0000

315.1296,
297.8029, 164.1042

■ 0.0000, 0.0000,
0.0000

■ 48.9346, 42.0299,
10.3839

■ 48.9346, 42.0299,
10.3839

■ 46.5086, 38.0516,
6.8833

■ 51.8618, 46.5336,
15.5250

■ 44.5334, 34.5635,
4.7990


■ 55.3275, 51.5814,
22.4871


■ 43.4560, 32.5538,
3.9931


■ 59.3677, 57.1982,
31.4289

■ 64.0141, 63.4050,
42.4913

■ 69.2958, 70.2218,
55.8020

 75.2395, 77.6670,
71.4785

 81.8707, 85.7584,
89.6302

 88.7912, 94.3441,
108.1382

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



58.9692, 42.0299, 19.2800



48.9346, 42.0299, 10.3839



37.8972, 42.0299, 8.6875

Triad

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



48.9346, 42.0299, 10.3839



22.8327, 42.0299, 52.0046



53.1909, 42.0299, 111.7296

Complementary

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



48.9346, 42.0299, 10.3839



29.5318, 30.2816, 88.2922

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.



42.0718, 42.0299, 132.5001



48.9346, 42.0299, 10.3839



25.5324, 42.0299, 89.4552

Square

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



48.9346, 42.0299, 10.3839



24.0149, 42.0299, 25.7030



32.1353, 42.0299, 122.9214



61.7165, 42.0299, 74.2265

Rectangle

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



48.9346, 42.0299, 10.3839



31.6637, 42.0299, 10.6585



32.1353, 42.0299, 122.9214



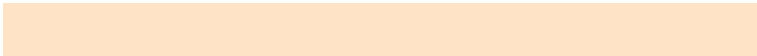
49.5646, 42.0299, 121.5128

Sweetspot

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



48.9356, 42.0321, 10.3847



78.9931, 80.2908, 65.3063



44.2011, 24.8441, 32.6031



16.5396, 16.7177, 13.0273



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.



48.9356, 42.0321, 10.3847



51.2757, 40.9441, 6.4693



69.2951, 82.7511, 17.1712



16.4258, 17.0648, 16.5778



23.4819, 17.7618, 2.1907



2.0530, 1.6766, 0.2154

Inverse Universe

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



29.5318, 30.2816, 88.2922



28.3944, 27.0877, 98.3397



19.9750, 11.1679, 85.1066



15.5502, 16.5345, 20.0935



12.4191, 11.0625, 46.6086



1.1327, 1.1193, 3.9106

Previews

White Background



This preview shows how the XYZ color 48.9346, 42.0299, 10.3839 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 48.9346, 42.0299, 10.3839 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 48.9346, 42.0299, 10.3839

Background



This preview shows how black text looks on a background with the XYZ color 48.9346, 42.0299, 10.3839.



This preview shows how white text looks on a background with the XYZ color 48.9346, 42.0299,

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

48.9346, 42.0299, 10.3839

Protanopia

38.4897, 42.1836, 11.9080

Deuteranopia

42.8860, 41.9882, 10.1192



Tritanopia

54.1638, 42.0538, 35.8343

Trichromacy



Original Color

48.9346, 42.0299, 10.3839

Protanomaly

41.5436, 41.5387, 11.2970

Deuteranomaly

44.9512, 41.9954, 10.1516

Tritanomaly

51.5411, 41.6604, 23.4139

Monochromacy



Original Color

48.9346, 42.0299, 10.3839

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.9589, 39.5688, 27.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9346, 42.0299, 10.3839 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, 153, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 153, 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(242, 153, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 153, 64) }
```

Border

The CSS property to change the border of an element to XYZ 48.9346, 42.0299, 10.3839 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, 153, 64) }
```


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

```
.border{ border-color:rgb(242, 153, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 153, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 153, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 153, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 153,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9346, 42.0299, 10.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 153, 64) }
```

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

```
.background{ background-color: rgb(242,  
153, 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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