

Converting Colors

XYZ(49.2726, 37.4824, 5.9068)

Have a look what the booklet for
XYZ(49.2726, 37.4824, 5.9068)
contains.

XYZ(49.2367, 37.4024, 5.9206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.2367, 37.4024,
5.9206)**

Conversions

Conversions Part 1

Format	Color
Hex	FE831F
RGB	254, 131, 31
RGB Percent	100%, 51%, 12%
CMY	0.0039, 0.4862, 0.8784
CMYK	0.00, 0.48, 0.88, 0.00
HSL	27°, 99%, 56%
HSV	27°, 88%, 100%
XYZ	49.2367, 37.4024, 5.9206
YIQ	156.3770, 105.4080, -5.0240

Conversions

Conversions Part 2

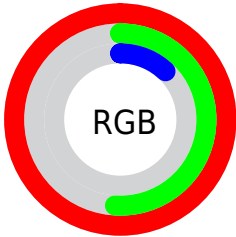
Format	Color
R_{YB}	254, 212, 31
Decimal	16679711
CIE _{Lab}	67.58, 41.31, 68.33
CIE _{LCh}	68, 79.848, 58.842
Y _{xy}	37.4024, 0.5319, 0.4041
Android (android.graphics.Color)	4294869791 (0xFFFE831F)
YUV	156.3770, -61.8109, 85.6154
Hunter-Lab	61.1575, 36.6812, 37.0704

Details

The XYZ color **49.2367, 37.4024, 5.9206** 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 **30.0091, 30.5564, 98.0816**, and the grayscale version is **32.0047, 33.6714, 36.6682**.

A 20% lighter version of the original color is **60.3504, 56.6625, 16.9887**, and **24.0312, 16.5391, 1.9258** is the 20% darker color. If you saturate the color by 10%, you get **47.2646, 33.8053, 4.1949**, and if you desaturate by 10%, it is **51.7245, 41.6163, 9.0999**.

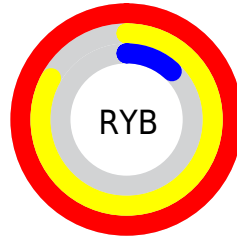
Distribution



Red (100%)

Green (51%)

Blue (12%)



Red (100%)

Yellow (83%)

Blue (12%)

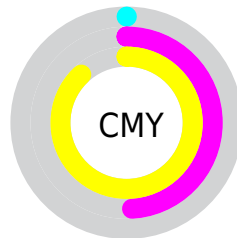


Cyan (0%)

Magenta (48%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2367, 37.4024, 5.9206 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 49.2367, 37.4024, 5.9206 by changing the saturation by 10% instead.


 49.2367, 37.4024,
5.9206


 49.2367, 37.4024,
5.9206

374.1749,
335.0494, 167.6418

 35.0226, 25.5192,
2.7289


 88.2415, 71.1912,
18.2407


 23.8469, 16.4643,
0.9579


 113.7629, 93.8657,
28.2061


 15.3442, 9.8533,
0.0000


 143.7842,
120.9060, 41.2665

 9.1492, 5.3018,
0.0000

 178.6706,
152.6966, 57.8404

 4.8965, 2.4254,
0.0000

 218.7875,
189.6218, 78.3463

 2.2208, 0.8389,
0.0000

 264.5003,

 0.7537, 0.0000,

232.0661, 103.2028

0.0000

316.1743,
280.4138, 132.8285

■ 0.0000, 0.0000,
0.0000

■ 49.2367, 37.4024,
5.9206

■ 49.2367, 37.4024,
5.9206

■ 47.2646, 33.8053,
4.1949

■ 51.7245, 41.6163,
9.0999

■ 46.8797, 33.0847,
3.9151

■ 54.7909, 46.4822,
14.0276

■ 58.4877, 52.0372,
20.9276

■ 62.8588, 58.3127,
29.9893

■ 67.9437, 65.3377,
41.3796

73.7784, 73.1392,
55.2487

80.3961, 81.7427,
71.7344

87.8280, 91.1724,
90.9638

94.6827, 99.8107,
108.8828

Harmonies

Analogous

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



60.5365, 37.4024, 16.0189



49.2367, 37.4024, 5.9206



36.0298, 37.4024, 3.6129

Triad

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



49.2367, 37.4024, 5.9206



16.7665, 37.4024, 39.3719



48.2157, 37.4024, 133.4669

Complementary

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



49.2367, 37.4024, 5.9206



30.0091, 30.5564, 98.0816

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.



35.0742, 37.4024, 152.8326



49.2367, 37.4024, 5.9206



18.6036, 37.4024, 82.8898

Square

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



49.2367, 37.4024, 5.9206



18.9156, 37.4024, 14.7800



24.6682, 37.4024, 130.4707



59.8578, 37.4024, 86.7546

Rectangle

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



49.2367, 37.4024, 5.9206



28.4490, 37.4024, 4.3805



24.6682, 37.4024, 130.4707



43.7436, 37.4024, 144.2703

Sweetspot

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



49.2375, 37.4044, 5.9212



75.5766, 75.2887, 58.5224



47.4801, 24.4977, 34.2892



15.7107, 15.5011, 11.3911



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.



49.2375, 37.4044, 5.9212



47.2977, 33.3754, 3.9492



72.0255, 82.9804, 13.5172



18.6801, 19.3283, 18.8905



24.8581, 17.7274, 2.1116



2.5275, 1.9404, 0.2413

Inverse Universe

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



30.0091, 30.5564, 98.0816



27.5223, 26.1645, 98.2074



19.4264, 9.3909, 94.5540



17.8337, 19.0389, 22.9849



14.5323, 13.9742, 51.3659



1.5241, 1.5789, 5.0377

Previews

White Background



This preview shows how the XYZ color 49.2367, 37.4024, 5.9206 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 49.2367, 37.4024, 5.9206 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 49.2367, 37.4024, 5.9206

Background



This preview shows how black text looks on a background with the XYZ color 49.2367, 37.4024, 5.9206.



This preview shows how white text looks on a background with the XYZ color 49.2367, 37.4024,

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

49.2367, 37.4024, 5.9206

Protanopia

33.8457, 37.3778, 7.4383

Deuteranopia

38.1830, 37.3322, 5.1934



Tritanopia

52.6125, 37.3412, 26.2644

Trichromacy



Original Color

49.2367, 37.4024, 5.9206

Protanomaly

38.3035, 36.6177, 6.7994

Deuteranomaly

41.5455, 36.8992, 5.2492

Tritanomaly

50.8949, 37.2650, 15.3369

Monochromacy



Original Color

49.2367, 37.4024, 5.9206

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.0412, 33.2216, 19.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2367, 37.4024, 5.9206 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(254, 131, 31)` looks like.

```
.text, #text, p{  
    color:rgb(254, 131, 31)  
}
```

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(254, 131, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 131, 31) }
```

Border

The CSS property to change the border of an element to XYZ 49.2367, 37.4024, 5.9206 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(254, 131, 31) }
```


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

```
.border{ border-color:rgb(254, 131, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 131, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 131, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 131, 31);  
box-shadow:4px 4px 4px 4px rgb(254, 131,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2367, 37.4024, 5.9206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 131, 31) }
```

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

```
.background{ background-color: rgb(254,  
131, 31) }
```

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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