

Converting Colors

XYZ(49.5788, 37.6475, 5.6043)

Have a look what the booklet for
XYZ(49.5788, 37.6475, 5.6043)
contains.

XYZ(49.5428, 37.5672, 5.6173)	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(49.5428, 37.5672,
5.6173)**

Conversions

Conversions Part 1

Format	Color
Hex	FF831A
RGB	255, 131, 26
RGB Percent	100%, 51%, 10%
CMY	0.0000, 0.4862, 0.8980
CMYK	0.00, 0.49, 0.90, 0.00
HSL	28°, 100%, 55%
HSV	28°, 90%, 100%
XYZ	49.5428, 37.5672, 5.6173
YIQ	156.1060, 107.6090, -6.3670

Conversions

Conversions Part 2

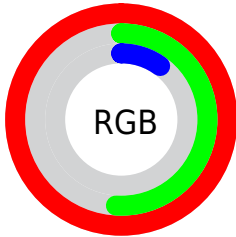
Format	Color
R _Y B	255, 220, 26
Decimal	16745242
CIE Lab	67.70, 41.62, 69.86
CIE LCh	68, 81.314, 59.217
Yxy	37.5672, 0.5343, 0.4051
Android (android.graphics.Color)	4294935322 (0xFFFF831A)
YUV	156.1060, -64.1423, 86.7300
Hunter-Lab	61.2921, 37.0216, 37.4706

Details

The XYZ color **49.5428, 37.5672, 5.6173** 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 **29.3818, 29.2512, 98.7045**, and the grayscale version is **31.8925, 33.5534, 36.5397**.

A 20% lighter version of the original color is **60.3991, 57.0179, 16.2097**, and **24.2818, 16.6683, 1.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.6272, 34.0304, 4.0728**, and if you desaturate by 10%, it is **51.9457, 41.6978, 8.5013**.

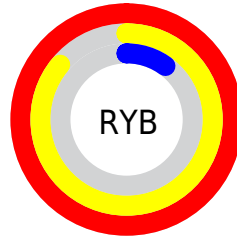
Distribution



Red (100%)

Green (51%)

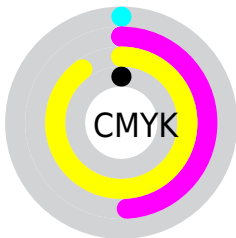
Blue (10%)



Red (100%)

Yellow (86%)

Blue (10%)

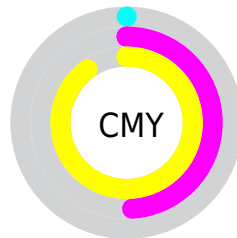


Cyan (0%)

Magenta (49%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5428, 37.5672, 5.6173 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 49.5428, 37.5672, 5.6173 by changing the saturation by 10% instead.


 49.5428, 37.5672,
5.6173


 49.5428, 37.5672,
5.6173


375.3569,
335.7597, 164.7910

 35.2666, 25.6470,
2.5488


 88.6930, 71.4443,
17.5950


 24.0358, 16.5597,
0.8659


 114.2976, 94.1699,
27.3413


 15.4850, 9.9211,
0.0000

 144.4091,
121.2661, 40.1505

 9.2490, 5.3467,
0.0000

 179.3929,
153.1173, 56.4414

 4.9624, 2.4521,
0.0000

 219.6141,
190.1079, 76.6323

 2.2597, 0.8525,
0.0000

 265.4383,

 0.7739, 0.0000,

232.6222, 101.1418

0.0000

317.2308,
281.0447, 130.3886

■ 0.0000, 0.0000,
0.0000

■ 49.5428, 37.5672,
5.6173

■ 49.5428, 37.5672,
5.6173

■ 47.6272, 34.0304,
4.0728

■ 51.9457, 41.6978,
8.5013

■ 47.5925, 33.9655,
4.0476

■ 54.9128, 46.4624,
13.0961

■ 58.4976, 51.8981,
19.6363

■ 62.7452, 58.0362,
28.3189

■ 67.6958, 64.9055,
39.3162

73.3858, 72.5326,
52.7827

79.8490, 80.9428,
68.8597

87.1166, 90.1599,
87.6774

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



61.1949, 37.5672, 15.5855



49.5428, 37.5672, 5.6173



36.0375, 37.5672, 3.4040

Triad

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



49.5428, 37.5672, 5.6173



16.5974, 37.5672, 39.9664



48.8351, 37.5672, 135.7941

Complementary

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



49.5428, 37.5672, 5.6173



29.3818, 29.2512, 98.7045

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.



35.3775, 37.5672, 156.3099



49.5428, 37.5672, 5.6173



18.5081, 37.5672, 84.7880

Square

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



49.5428, 37.5672, 5.6173



18.7219, 37.5672, 14.7409



24.7208, 37.5672, 133.7017



60.7235, 37.5672, 87.4773

Rectangle

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



49.5428, 37.5672, 5.6173



28.3349, 37.5672, 4.1911



24.7208, 37.5672, 133.7017



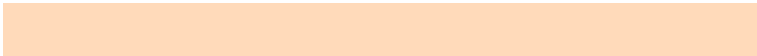
44.2571, 37.5672, 147.0960

Sweetspot

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



49.5436, 37.5693, 5.6179



75.1179, 74.8095, 57.0186



47.2728, 24.2643, 31.8771



15.6284, 15.4203, 11.1054



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.



49.5436, 37.5693, 5.6179



47.5929, 33.9657, 4.0476



73.6415, 85.7651, 13.6506



18.6956, 19.3594, 18.8957



25.0136, 18.0384, 2.1634



2.5432, 1.9718, 0.2465

Inverse Universe

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



29.3818, 29.2512, 98.7045



27.1489, 25.4177, 98.0830



19.1518, 8.7913, 95.2946



17.8179, 19.0074, 22.9796



14.3371, 13.5837, 51.3009



1.5053, 1.5412, 5.0314

Previews

White Background



This preview shows how the XYZ color 49.5428, 37.5672, 5.6173 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 49.5428, 37.5672, 5.6173 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 49.5428, 37.5672, 5.6173

Background



This preview shows how black text looks on a background with the XYZ color 49.5428, 37.5672, 5.6173.



This preview shows how white text looks on a background with the XYZ color 49.5428, 37.5672,

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

49.5428, 37.5672, 5.6173

Protanopia

34.1893, 37.8329, 7.0906

Deuteranopia

38.3515, 37.6693, 5.2496



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

49.5428, 37.5672, 5.6173

Protanomaly

38.5159, 36.7356, 6.4272

Deuteranomaly

42.0032, 37.3683, 5.2574

Tritanomaly

50.8498, 37.2469, 15.0990

Monochromacy



Original Color

49.5428, 37.5672, 5.6173

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.9323, 33.1780, 19.0309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5428, 37.5672, 5.6173 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(255, 131, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 26)  
}
```

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(255, 131, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 26) }
```

Border

The CSS property to change the border of an element to XYZ 49.5428, 37.5672, 5.6173 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(255, 131, 26) }
```


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

```
.border{ border-color:rgb(255, 131, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5428, 37.5672, 5.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 26) }
```

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

```
.background{ background-color: rgb(255,  
131, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor