

Converting Colors

XYZ(49.5899, 37.7067, 5.4938)

Have a look what the booklet for
XYZ(49.5899, 37.7067, 5.4938)
contains.

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Color

**XYZ(49.6459, 37.8244,
5.4948)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8417
RGB	255, 132, 23
RGB Percent	100%, 52%, 9%
CMY	0.0000, 0.4823, 0.9098
CMYK	0.00, 0.48, 0.91, 0.00
HSL	28°, 100%, 55%
HSV	28°, 91%, 100%
XYZ	49.6459, 37.8244, 5.4948
YIQ	156.3510, 108.2970, -7.8230

Conversions

Conversions Part 2

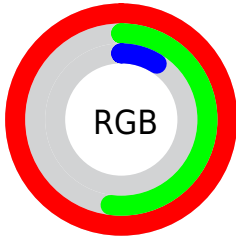
Format	Color
R_{YB}	255, 229, 23
Decimal	16745495
CIE _{Lab}	67.89, 41.07, 70.73
CIE _{LCh}	68, 81.792, 59.857
Yxy	37.8244, 0.5340, 0.4069
Android (android.graphics.Color)	4294935575 (0xFFFF8417)
YUV	156.3510, -65.7420, 86.5152
Hunter-Lab	61.5015, 36.4629, 37.7539

Details

The XYZ color **49.6459, 37.8244, 5.4948** 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 **28.6816, 27.9587, 98.4918**, and the grayscale version is **32.0093, 33.6762, 36.6734**.

A 20% lighter version of the original color is **60.3602, 57.0023, 16.0048**, and **24.3545, 16.8137, 1.9617** is the 20% darker color. If you saturate the color by 10%, you get **47.9335, 34.6476, 4.1613**, and if you desaturate by 10%, it is **51.9897, 41.8896, 8.1966**.

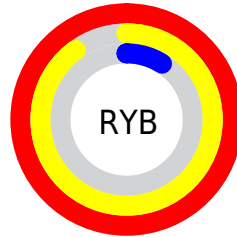
Distribution



Red (100%)

Green (52%)

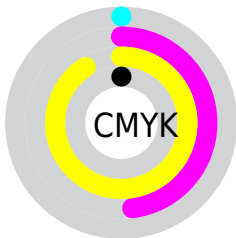
Blue (9%)



Red (100%)

Yellow (90%)

Blue (9%)

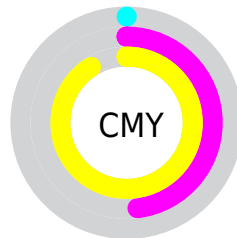


Cyan (0%)

Magenta (48%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6459, 37.8244, 5.4948 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 49.6459, 37.8244, 5.4948 by changing the saturation by 10% instead.


 49.6459, 37.8244,
5.4948


 49.6459, 37.8244,
5.4948


375.7545,
336.8661, 163.6200

 35.3488, 25.8464,
2.4766


 88.8450, 71.8389,
17.3321

 24.0994, 16.7088,
0.8277


 114.4776, 94.6442,
26.9884

 15.5325, 10.0271,
0.0000


 144.6195,
121.8275, 39.6944

 9.2827, 5.4169,
0.0000


 179.6359,
153.7730, 55.8687

 4.9846, 2.4939,
0.0000

 219.8923,
190.8653, 75.9299

 2.2729, 0.8736,
0.0000

 265.7539,

 0.7807, 0.0000,

233.4886, 100.2965

0.0000

317.5862,
282.0274, 129.3870

■ 0.0000, 0.0000,
0.0000

■ 49.6459, 37.8244,
5.4948

■ 49.6459, 37.8244,
5.4948

■ 47.9335, 34.6476,
4.1613

■ 51.9897, 41.8896,
8.1966

■ 54.8818, 46.5663,
12.5751

■ 58.3762, 51.8907,
18.8705

■ 62.5180, 57.8934,
27.2831

■ 67.3476, 64.6024,
37.9876

72.9011, 72.0437,
51.1402

79.2122, 80.2416,
66.8833

86.3119, 89.2192,
85.3482

94.2296, 98.9986,
106.6573

Harmonies

Analogous

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



61.5308, 37.8244, 15.2750



49.6459, 37.8244, 5.4948



36.0121, 37.8244, 3.3787

Triad

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



49.6459, 37.8244, 5.4948



16.6574, 37.8244, 41.0097



49.5149, 37.8244, 136.3543

Complementary

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



49.6459, 37.8244, 5.4948



28.6816, 27.9587, 98.4918

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.



35.8899, 37.8244, 158.0080



49.6459, 37.8244, 5.4948



18.6723, 37.8244, 86.6772

Square

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



49.6459, 37.8244, 5.4948



18.7118, 37.8244, 15.1192



25.0391, 37.8244, 135.9662



61.4434, 37.8244, 87.1757

Rectangle

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



49.6459, 37.8244, 5.4948



28.2849, 37.8244, 4.2251



25.0391, 37.8244, 135.9662



44.8903, 37.8244, 148.0454

Sweetspot

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



49.6467, 37.8265, 5.4955



75.3200, 75.2138, 57.0859



46.7918, 23.9711, 29.6556



15.6758, 15.5150, 11.1212



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.



49.6467, 37.8265, 5.4955



47.9339, 34.6479, 4.1613



74.7365, 88.0060, 13.8587



18.7131, 19.3944, 18.9015



25.1931, 18.3974, 2.2232



2.5612, 2.0078, 0.2526

Inverse Universe

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



28.6816, 27.9587, 98.4918



26.7402, 24.6003, 97.9467



18.8865, 8.3685, 95.2268



17.8003, 18.9722, 22.9738



14.1232, 13.1560, 51.2296



1.4846, 1.4998, 5.0245

Previews

White Background



This preview shows how the XYZ color 49.6459, 37.8244, 5.4948 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 49.6459, 37.8244, 5.4948 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 49.6459, 37.8244, 5.4948

Background



This preview shows how black text looks on a background with the XYZ color 49.6459, 37.8244, 5.4948.



This preview shows how white text looks on a background with the XYZ color 49.6459, 37.8244,

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

49.6459, 37.8244, 5.4948

Protanopia

34.4042, 37.9470, 6.9501

Deuteranopia

38.6353, 37.8156, 5.2628



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

49.6459, 37.8244, 5.4948

Protanomaly

38.9287, 37.1970, 6.2904

Deuteranomaly

41.9978, 37.3661, 5.2286

Tritanomaly

50.9796, 37.5065, 15.1422

Monochromacy



Original Color

49.6459, 37.8244, 5.4948

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.8787, 33.1566, 18.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6459, 37.8244, 5.4948 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, 132, 23)` looks like.

```
.text, #text, p{  
  color:rgb(255, 132, 23)  
}
```

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, 132, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 23) }
```

Border

The CSS property to change the border of an element to XYZ 49.6459, 37.8244, 5.4948 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, 132, 23) }
```


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

```
.border{ border-color:rgb(255, 132, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6459, 37.8244, 5.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 23) }
```

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

```
.background{ background-color: rgb(255,  
132, 23) }
```

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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