

Converting Colors

XYZ(49.4808, 37.4941, 5.4400)

Have a look what the booklet for
XYZ(49.4808, 37.4941, 5.4400)
contains.

XYZ(49.5110, 37.5545, 5.4498)	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(49.5110, 37.5545,
5.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8317
RGB	255, 131, 23
RGB Percent	100%, 51%, 9%
CMY	0.0000, 0.4862, 0.9098
CMYK	0.00, 0.49, 0.91, 0.00
HSL	28°, 100%, 55%
HSV	28°, 91%, 100%
XYZ	49.5110, 37.5545, 5.4498
YIQ	155.7640, 108.5720, -7.3000

Conversions

Conversions Part 2

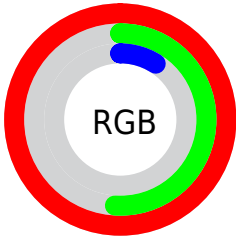
Format	Color
R _Y B	255, 225, 23
Decimal	16745239
CIE Lab	67.69, 41.57, 70.59
CIE LCh	68, 81.920, 59.506
Yxy	37.5545, 0.5352, 0.4059
Android (android.graphics.Color)	4294935319 (0xFFFF8317)
YUV	155.7640, -65.4527, 87.0300
Hunter-Lab	61.2817, 36.9715, 37.6245

Details

The XYZ color **49.5110, 37.5545, 5.4498** 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 **28.8364, 28.2683, 98.5436**, and the grayscale version is **31.7448, 33.3980, 36.3704**.

A 20% lighter version of the original color is **60.1503, 56.5825, 15.9349**, and **24.2818, 16.6683, 1.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.8024, 34.3853, 4.1176**, and if you desaturate by 10%, it is **51.8537, 41.6174, 8.1512**.

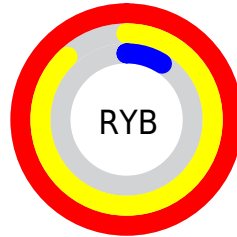
Distribution



Red (100%)

Green (51%)

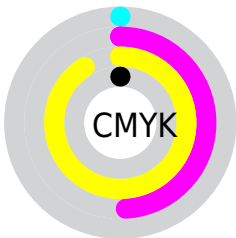
Blue (9%)



Red (100%)

Yellow (88%)

Blue (9%)

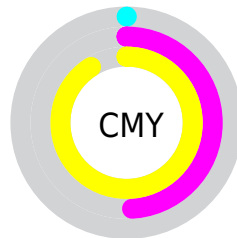


Cyan (0%)

Magenta (49%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5110, 37.5545, 5.4498 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 49.5110, 37.5545, 5.4498 by changing the saturation by 10% instead.


 49.5110, 37.5545,
5.4498


 49.5110, 37.5545,
5.4498


375.2342,
335.7050, 163.1869

 35.2412, 25.6371,
2.4502


 88.6461, 71.4248,
17.2353

 24.0161, 16.5524,
0.8136


 114.2421, 94.1465,
26.8582

 15.4704, 9.9159,
0.0000


 144.3443,
121.2384, 39.5260

 9.2386, 5.3432,
0.0000

 179.3179,
153.0849, 55.6572

 4.9555, 2.4500,
0.0000

 219.5283,
190.0704, 75.6704

 2.2557, 0.8514,
0.0000

 265.3410,

 0.7718, 0.0000,

232.5794, 99.9840

0.0000

317.1212,
280.9961, 129.0167

■ 0.0000, 0.0000,
0.0000

■ 49.5110, 37.5545,
5.4498

■ 49.5110, 37.5545,
5.4498

■ 47.8024, 34.3853,
4.1176

■ 51.8537, 41.6174,
8.1512

■ 54.7481, 46.2987,
12.5304

■ 58.2484, 51.6351,
18.8278

■ 62.4002, 57.6577,
27.2438

■ 67.2437, 64.3947,
37.9529

72.8155, 71.8725,
51.1116

79.1493, 80.1158,
66.8622

86.2764, 89.1482,
85.3362

94.2262, 98.9918,
106.6560

Harmonies

Analogous

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



61.3164, 37.5545, 15.2870



49.5110, 37.5545, 5.4498



35.9046, 37.5545, 3.3034

Triad

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



49.5110, 37.5545, 5.4498



16.4817, 37.5545, 40.2928



49.0606, 37.5545, 136.3816

Complementary

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



49.5110, 37.5545, 5.4498



28.8364, 28.2683, 98.5436

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.



35.4851, 37.5545, 157.5484



49.5110, 37.5545, 5.4498



18.4379, 37.5545, 85.6755

Square

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



49.5110, 37.5545, 5.4498



18.5733, 37.5545, 14.7534



24.7219, 37.5545, 135.0452



61.0161, 37.5545, 87.3902

Rectangle

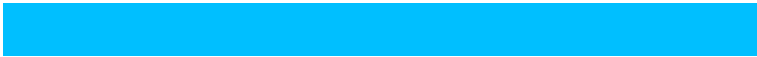
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5110, 37.5545, 5.4498



28.1748, 37.5545, 4.1076



24.7219, 37.5545, 135.0452



44.4454, 37.5545, 147.9338

Sweetspot

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



49.5118, 37.5566, 5.4504



75.2429, 75.0595, 57.0602



47.0998, 24.0943, 31.2771



15.6577, 15.4789, 11.1152



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.



49.5118, 37.5566, 5.4504



47.8028, 34.3856, 4.1176



73.5647, 85.6623, 13.4681



18.7064, 19.3810, 18.8993



25.1241, 18.2594, 2.2002



2.5543, 1.9940, 0.2502

Inverse Universe

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



28.8364, 28.2683, 98.5436



26.8946, 24.9091, 97.9982



18.9928, 8.5811, 95.2624



17.8070, 18.9856, 22.9760



14.2040, 13.3176, 51.2565



1.4924, 1.5155, 5.0271

Previews

White Background



This preview shows how the XYZ color 49.5110, 37.5545, 5.4498 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 49.5110, 37.5545, 5.4498 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 49.5110, 37.5545, 5.4498

Background



This preview shows how black text looks on a background with the XYZ color 49.5110, 37.5545, 5.4498.



This preview shows how white text looks on a background with the XYZ color 49.5110, 37.5545,

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

49.5110, 37.5545, 5.4498

Protanopia

34.1604, 37.8213, 6.9386

Deuteranopia

38.3515, 37.6693, 5.2496



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

49.5110, 37.5545, 5.4498

Protanomaly

38.4770, 36.7201, 6.2221

Deuteranomaly

41.9978, 37.3661, 5.2286

Tritanomaly

50.8052, 37.2291, 14.8641

Monochromacy



Original Color

49.5110, 37.5545, 5.4498

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 49.5110, 37.5545, 5.4498 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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, 131, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 23) }
```

Border

The CSS property to change the border of an element to XYZ 49.5110, 37.5545, 5.4498 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, 23) }
```


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

```
.border{ border-color:rgb(255, 131, 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, 131, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5110, 37.5545, 5.4498 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, 23) }
```

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

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