

Converting Colors

XYZ(49.5401, 37.0733, 7.1223)

Have a look what the booklet for
XYZ(49.5401, 37.0733, 7.1223)
contains.

XYZ(49.5834, 37.1578, 7.1436)	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(49.5834, 37.1578,
7.1436)**

Conversions

Conversions Part 1

Format	Color
Hex	FF812E
RGB	255, 129, 46
RGB Percent	100%, 51%, 18%
CMY	0.0000, 0.4941, 0.8196
CMYK	0.00, 0.49, 0.82, 0.00
HSL	24°, 100%, 59%
HSV	24°, 82%, 100%
XYZ	49.5834, 37.1578, 7.1436
YIQ	157.2120, 101.7390, 0.8990

Conversions

Conversions Part 2

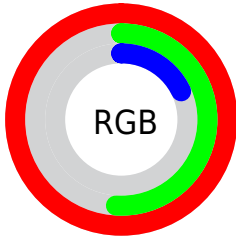
Format	Color
R _Y B	255, 184, 46
Decimal	16744750
CIE Lab	67.40, 43.04, 63.12
CIE LCh	67, 76.398, 55.711
Yxy	37.1578, 0.5281, 0.3958
Android (android.graphics.Color)	4294934830 (0xFFFF812E)
YUV	157.2120, -54.8275, 85.7601
Hunter-Lab	60.9572, 38.5192, 35.7218

Details

The XYZ color **49.5834, 37.1578, 7.1436** 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 **33.9280, 37.3034, 100.0191**, and the grayscale version is **32.3518, 34.0366, 37.0659**.

A 20% lighter version of the original color is **60.6326, 56.4418, 19.5031**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **47.3468, 33.2648, 4.6108**, and if you desaturate by 10%, it is **52.4242, 41.7833, 11.3481**.

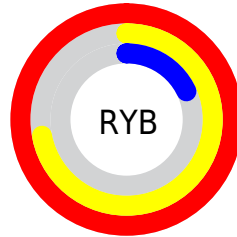
Distribution



Red (100%)

Green (51%)

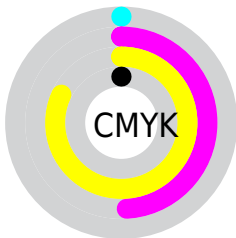
Blue (18%)



Red (100%)

Yellow (72%)

Blue (18%)

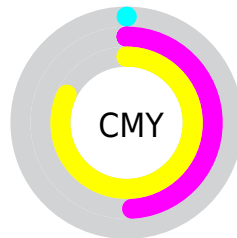


Cyan (0%)

Magenta (49%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5834, 37.1578, 7.1436 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 49.5834, 37.1578, 7.1436 by changing the saturation by 10% instead.


 49.5834, 37.1578,
7.1436


 49.5834, 37.1578,
7.1436

375.5135,
333.9932, 178.5276

 35.2989, 25.3297,
3.4723


 88.7528, 70.8154,
20.7793

 24.0608, 16.3229,
1.3405


 114.3685, 93.4137,
31.5807


 15.5037, 9.7529,
0.0947


 144.4920,
120.3709, 45.5959

 9.2623, 5.2354,
0.0000

 179.4886,
152.0713, 63.2435

 4.9711, 2.3861,
0.0000

 219.7237,
188.8993, 84.9419

 2.2649, 0.8187,
0.0000

 265.5626,

 0.7766, 0.0000,

231.2394, 111.1096

0.0000

317.3708,
279.4759, 142.1654

■ 0.0000, 0.0000,
0.0000

■ 49.5834, 37.1578,
7.1436

■ 49.5834, 37.1578,
7.1436

■ 47.3468, 33.2648,
4.6108

■ 52.4242, 41.7833,
11.3481

■ 45.9202, 30.6209,
3.4902

■ 55.9255, 47.1790,
17.4687

■ 60.1381, 53.3862,
25.7110

■ 65.1066, 60.4408,
36.2527

■ 70.8712, 68.3764,
49.2531

77.4692, 77.2243,
64.8569

84.9351, 87.0142,
83.1974

93.3015, 97.7745,
104.3990

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



59.7398, 37.1578, 18.4342



49.5834, 37.1578, 7.1436



37.0286, 37.1578, 4.2046

Triad

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



49.5834, 37.1578, 7.1436



17.2849, 37.1578, 35.8240



46.0149, 37.1578, 130.8218

Complementary

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



49.5834, 37.1578, 7.1436



33.9280, 37.3034, 100.0191

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.



33.6597, 37.1578, 144.8625



49.5834, 37.1578, 7.1436



18.6655, 37.1578, 75.3811

Square

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



49.5834, 37.1578, 7.1436



19.7882, 37.1578, 13.9164



24.0894, 37.1578, 120.5550



57.3804, 37.1578, 88.7525

Rectangle

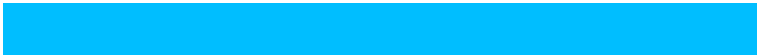
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5834, 37.1578, 7.1436



29.5640, 37.1578, 4.7167



24.0894, 37.1578, 120.5550



41.7725, 37.1578, 139.7089

Sweetspot

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



49.5842, 37.1598, 7.1442



75.3735, 74.4365, 59.8297



49.9432, 26.3046, 42.9426



15.6356, 15.2657, 11.6288



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.



49.5842, 37.1598, 7.1442



46.2537, 31.2426, 3.7390



70.2015, 78.3943, 14.0167



18.6013, 19.1708, 18.8643



24.1303, 16.2718, 1.8690



2.4526, 1.7906, 0.2164

Inverse Universe

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



33.9280, 37.3034, 100.0191



29.9602, 30.9457, 99.0018



21.3911, 12.2296, 95.8401



17.9141, 19.1997, 23.0117



15.5957, 16.1009, 51.7204



1.6253, 1.7813, 5.0714

Previews

White Background



This preview shows how the XYZ color 49.5834, 37.1578, 7.1436 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 49.5834, 37.1578, 7.1436 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 49.5834, 37.1578, 7.1436

Background



This preview shows how black text looks on a background with the XYZ color 49.5834, 37.1578, 7.1436.



This preview shows how white text looks on a background with the XYZ color 49.5834, 37.1578,

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

49.5834, 37.1578, 7.1436

Protanopia

33.9119, 37.3764, 9.0415

Deuteranopia

37.9240, 37.1637, 6.7646



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

49.5834, 37.1578, 7.1436

Protanomaly

38.4264, 36.4060, 8.2506

Deuteranomaly

41.3856, 36.5515, 6.7934

Tritanomaly

50.8739, 36.8473, 16.4875

Monochromacy



Original Color

49.5834, 37.1578, 7.1436

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.6369, 33.4892, 21.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5834, 37.1578, 7.1436 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, 129, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 46)  
}
```

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, 129, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 46) }
```

Border

The CSS property to change the border of an element to XYZ 49.5834, 37.1578, 7.1436 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, 129, 46) }
```


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

```
.border{ border-color:rgb(255, 129, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5834, 37.1578, 7.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 46) }
```

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

```
.background{ background-color: rgb(255,  
129, 46) }
```

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