

Converting Colors

XYZ(49.8838, 37.5234, 18.8517)

Have a look what the booklet for
XYZ(49.8838, 37.5234, 18.8517)
contains.

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Color

**XYZ(49.8900, 37.4550,
18.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	F9836C
RGB	249, 131, 108
RGB Percent	98%, 51%, 42%
CMY	0.0235, 0.4862, 0.5765
CMYK	0.00, 0.47, 0.57, 0.02
HSL	10°, 92%, 70%
HSV	10°, 57%, 98%
XYZ	49.8900, 37.4550, 18.7874
YIQ	163.6600, 77.7110, 17.8630

Conversions

Conversions Part 2

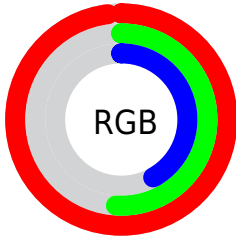
Format	Color
R _Y B	249, 135, 108
Decimal	16352108
CIE Lab	67.62, 42.91, 32.82
CIE LCh	68, 54.027, 37.412
Yxy	37.4550, 0.4701, 0.3529
Android (android.graphics.Color)	4294542188 (0xFFFF9836C)
YUV	163.6600, -27.4404, 74.8432
Hunter-Lab	61.2005, 38.4105, 24.6394

Details

The XYZ color **49.8900, 37.4550, 18.7874** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.4779, 64.4169, 99.3954**, and the grayscale version is **35.2264, 37.0609, 40.3593**.

A 20% lighter version of the original color is **65.1441, 58.9159, 41.1961**, and **24.2790, 16.4664, 6.1736** is the 20% darker color. If you saturate the color by 10%, you get **46.2263, 31.9544, 11.9355**, and if you desaturate by 10%, it is **54.4966, 44.2364, 27.8207**.

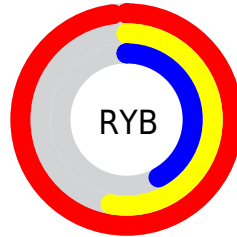
Distribution



Red (98%)

Green (51%)

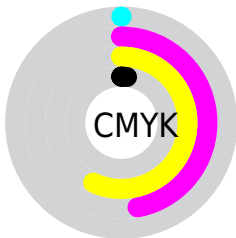
Blue (42%)



Red (98%)

Yellow (53%)

Blue (42%)

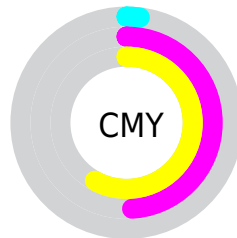


Cyan (0%)

Magenta (47%)

Yellow (57%)

Black (2%)



Cyan (2%)

Magenta (49%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8900, 37.4550, 18.7874 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 49.8900, 37.4550, 18.7874 by changing the saturation by 10% instead.

49.8900, 37.4550,
18.7874

49.8900, 37.4550,
18.7874

376.6947,
335.2762, 257.6561

35.5434, 25.5600,
11.3415

89.2047, 71.2720,
42.2064

24.2503, 16.4947,
6.1800

114.9035, 93.9628,
59.0167

15.6451, 9.8749,
2.8843

145.1171,
121.0210, 79.7854

9.3626, 5.3161,
1.0358

180.2109,
152.8309, 104.9313

5.0375, 2.4339,
0.0000

220.5502,
189.7770, 134.8727

2.3042, 0.8432,
0.0000

266.5004,

0.7968, 0.0000,

232.2437, 170.0283

0.0000

318.4268,
280.6153, 210.8166

■ 0.0000, 0.0000,
0.0000

■ 49.8900, 37.4550,
18.7874

■ 49.8900, 37.4550,
18.7874

■ 46.2263, 31.9544,
11.9355

■ 54.4966, 44.2364,
27.8207

■ 43.4358, 27.6475,
7.0771

■ 60.1038, 52.3666,
39.1980

■ 41.4428, 24.4457,
3.9953

■ 66.7678, 61.9158,
53.0687

■ 40.1559, 22.2442,
2.4184

■ 74.5396, 72.9476,
69.5691

■ 39.8469, 21.6999,
2.0883

■ 83.4672, 85.5216,
88.8257

92.8768, 98.8797,
108.7983

Harmonies

Analogous

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



53.9522, 37.4550, 35.1488



49.8900, 37.4550, 18.7874



42.1099, 37.4550, 11.4076

Triad

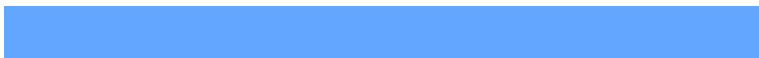
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8900, 37.4550, 18.7874



22.7700, 37.4550, 25.5845



37.7053, 37.4550, 105.2378

Complementary

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



49.8900, 37.4550, 18.7874



50.4779, 64.4169, 99.3954

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.



29.7979, 37.4550, 99.4511



49.8900, 37.4550, 18.7874



21.9672, 37.4550, 46.9873

Square

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



49.8900, 37.4550, 18.7874



26.7324, 37.4550, 14.1290



24.3378, 37.4550, 75.4610



46.2389, 37.4550, 89.1156

Rectangle

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



49.8900, 37.4550, 18.7874



36.3277, 37.4550, 9.9867



24.3378, 37.4550, 75.4610



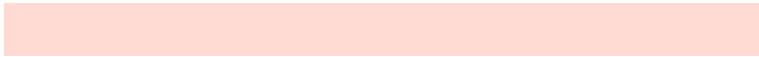
34.8818, 37.4550, 105.8719

Sweetspot

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



49.8909, 37.4570, 18.7881



78.3389, 76.5146, 72.6960



58.4122, 36.4581, 77.2480



16.3959, 15.8511, 14.7658



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.



49.8909, 37.4570, 18.7881



48.3122, 32.9919, 11.7248



62.3470, 62.3691, 22.9401



17.4733, 17.6825, 17.9545



21.3964, 11.7495, 1.1402



2.0452, 1.2152, 0.1268

Inverse Universe

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



50.4779, 64.4169, 99.3954



48.8840, 63.7740, 104.3409



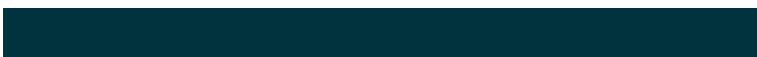
35.3997, 34.2605, 94.3694



17.5106, 19.0980, 22.1487



21.3644, 28.0843, 52.2684



2.0409, 2.7255, 4.8617

Previews

White Background



This preview shows how the XYZ color 49.8900, 37.4550, 18.7874 looks on a white background.

Color Contrast Check

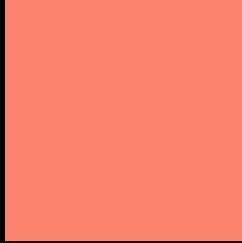
Large Text (above 18pt) WCAG AA × Fail

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 49.8900, 37.4550, 18.7874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

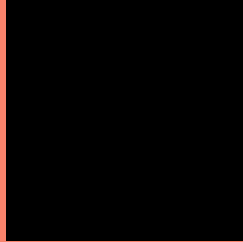
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8900, 37.4550, 18.7874

Background



This preview shows how black text looks on a background with the XYZ color 49.8900, 37.4550, 18.7874.



This preview shows how white text looks on a background with the XYZ color 49.8900, 37.4550,

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

49.8900, 37.4550, 18.7874

Protanopia

35.0994, 37.6625, 23.8320

Deuteranopia

38.4945, 37.7124, 18.0823



Tritanopia

51.8170, 37.4655, 27.7931

Trichromacy



Original Color

49.8900, 37.4550, 18.7874

Protanomaly

39.2307, 36.7633, 21.8580

Deuteranomaly

42.0531, 37.1052, 18.3102

Tritanomaly

50.9094, 37.2687, 24.2490

Monochromacy



Original Color

49.8900, 37.4550, 18.7874

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.7680, 36.0722, 31.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8900, 37.4550, 18.7874 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(249, 131, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 131, 108)  
}
```

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(249, 131, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 131, 108) }
```

Border

The CSS property to change the border of an element to XYZ 49.8900, 37.4550, 18.7874 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(249, 131, 108) }
```


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

```
.border{ border-color:rgb(249, 131, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 131, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 131, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 131, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 131,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8900, 37.4550, 18.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 131, 108) }
```

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

```
.background{ background-color: rgb(249,  
131, 108) }
```

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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