

Converting Colors

XYZ(49.9905, 37.7277, 17.7815)

Have a look what the booklet for
XYZ(49.9905, 37.7277, 17.7815)
contains.

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Color

**XYZ(49.8169, 37.6417,
17.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	F98468
RGB	249, 132, 104
RGB Percent	98%, 52%, 41%
CMY	0.0235, 0.4823, 0.5922
CMYK	0.00, 0.47, 0.58, 0.02
HSL	12°, 92%, 69%
HSV	12°, 58%, 98%
XYZ	49.8169, 37.6417, 17.7366
YIQ	163.7910, 78.7200, 16.0960

Conversions

Conversions Part 2

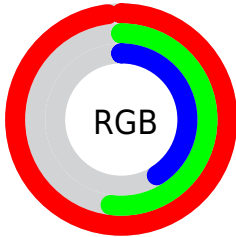
Format	Color
R_{YB}	249, 139, 104
Decimal	16352360
CIE _{Lab}	67.76, 42.12, 35.18
CIE _{LCh}	68, 54.877, 39.870
Yxy	37.6417, 0.4736, 0.3578
Android (android.graphics.Color)	4294542440 (0xFFFF98468)
YUV	163.7910, -29.4770, 74.7283
Hunter-Lab	61.3528, 37.5699, 25.8067

Details

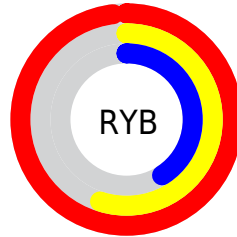
The XYZ color **49.8169, 37.6417, 17.7366** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.6626, 61.4921, 98.9266**, and the grayscale version is **35.2977, 37.1359, 40.4410**.

A 20% lighter version of the original color is **65.0111, 59.2009, 39.4530**, and **24.3215, 16.7142, 5.6857** is the 20% darker color. If you saturate the color by 10%, you get **46.2668, 32.2756, 11.2078**, and if you desaturate by 10%, it is **54.2668, 44.2103, 26.4077**.

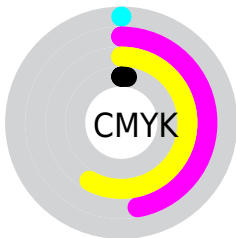
Distribution



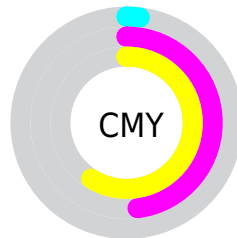
- Red (98%)
- Green (52%)
- Blue (41%)



- Red (98%)
- Yellow (55%)
- Blue (41%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (2%)





- Cyan (2%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8169, 37.6417, 17.7366 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 49.8169, 37.6417, 17.7366 by changing the saturation by 10% instead.


 49.8169, 37.6417,
17.7366

 49.8169, 37.6417,
17.7366


376.4133,
336.0805, 251.5682

 35.4851, 25.7047,
10.5936


 89.0970, 71.5586,
40.3958


 24.2051, 16.6029,
5.6835


 114.7760, 94.3074,
56.7491

 15.6114, 9.9518,
2.5880


 144.9681,
121.4288, 77.0096

 9.3387, 5.3670,
0.8862

 180.0388,
153.3074, 101.5957

 5.0216, 2.4642,
0.0000

220.3533,
190.3274, 130.9261

 2.2948, 0.8586,
0.0000

266.2769,

 0.7920, 0.0000,

232.8733, 165.4193

0.0000

318.1752,
281.3295, 205.4938

■ 0.0000, 0.0000,
0.0000

■ 49.8169, 37.6417,
17.7366

■ 49.8169, 37.6417,
17.7366

■ 46.2668, 32.2756,
11.2078

■ 54.2668, 44.2103,
26.4077

■ 43.5495, 28.0321,
6.6303

■ 59.6714, 52.0430,
37.3853

■ 41.5926, 24.8305,
3.7826

■ 66.0842, 61.2042,
50.8200

■ 40.3031, 22.5737,
2.3593

■ 73.5541, 71.7522,
66.8490

■ 40.1276, 22.2613,
2.1819

■ 82.1264, 83.7417,
85.5992

91.8440, 97.2244,
107.1892

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.



54.3783, 37.6417, 33.4866



49.8169, 37.6417, 17.7366



41.6911, 37.6417, 10.9059

Triad

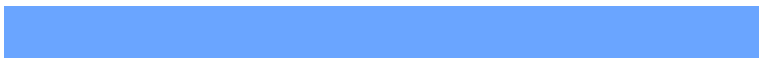
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8169, 37.6417, 17.7366



22.5411, 37.6417, 26.9161



38.6474, 37.6417, 106.4047

Complementary

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



49.8169, 37.6417, 17.7366



48.6626, 61.4921, 98.9266

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.



30.4510, 37.6417, 102.3715



49.8169, 37.6417, 17.7366



21.9906, 37.6417, 49.5277

Square

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



49.8169, 37.6417, 17.7366



26.3046, 37.6417, 14.5663



24.6595, 37.6417, 78.8278



47.2883, 37.6417, 88.3237

Rectangle

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



49.8169, 37.6417, 17.7366



35.8144, 37.6417, 9.7673



24.6595, 37.6417, 78.8278



35.7403, 37.6417, 107.7161

Sweetspot

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



49.8178, 37.6437, 17.7373



78.6788, 77.1943, 72.8093



57.2580, 35.3368, 73.2032



16.4752, 16.0096, 14.7922



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.



49.8178, 37.6437, 17.7373



48.2439, 33.1526, 10.7853



62.9412, 63.8905, 22.1117



17.5159, 17.7677, 17.9687



21.5564, 12.0695, 1.1935



2.0661, 1.2571, 0.1337

Inverse Universe

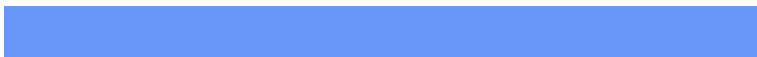
The Inverse Universe completely reimagines the original color for something new.



48.6626, 61.4921, 98.9266



46.8011, 60.2385, 103.7683



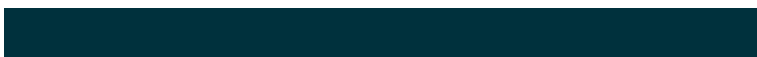
33.7010, 31.5690, 93.9394



17.4642, 19.0053, 22.1332



20.4221, 26.1998, 51.9543



1.9619, 2.5676, 4.8354

Previews

White Background



This preview shows how the XYZ color 49.8169, 37.6417, 17.7366 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 49.8169, 37.6417, 17.7366 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 49.8169, 37.6417, 17.7366

Background



This preview shows how black text looks on a background with the XYZ color 49.8169, 37.6417, 17.7366.



This preview shows how white text looks on a background with the XYZ color 49.8169, 37.6417,

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

49.8169, 37.6417, 17.7366

Protanopia

35.0261, 37.6596, 22.2526

Deuteranopia

38.5664, 37.7721, 17.0625



Tritanopia

52.0182, 37.7537, 28.2124

Trichromacy



Original Color

49.8169, 37.6417, 17.7366

Protanomaly

39.2177, 36.7897, 20.3634

Deuteranomaly

42.0099, 37.3399, 17.3051

Tritanomaly

50.9763, 37.5052, 23.9545

Monochromacy



Original Color

49.8169, 37.6417, 17.7366

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.6164, 36.0116, 30.5068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8169, 37.6417, 17.7366 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, 132, 104)` looks like.

```
.text, #text, p{  
    color:rgb(249, 132, 104)  
}
```

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, 132, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 132, 104) }
```

Border

The CSS property to change the border of an element to XYZ 49.8169, 37.6417, 17.7366 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, 132, 104) }
```


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

```
.border{ border-color:rgb(249, 132, 104) }
```

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

Here you see how a box with a 4 pixel rgb(249, 132, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 132, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 132, 104);  
box-shadow:4px 4px 4px 4px rgb(249, 132,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8169, 37.6417, 17.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 132, 104) }
```

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

```
.background{ background-color: rgb(249,  
132, 104) }
```

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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