

Converting Colors

XYZ(49.7728, 38.7636, 13.1842)

Have a look what the booklet for
XYZ(49.7728, 38.7636, 13.1842)
contains.

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Color

**XYZ(49.6128, 38.6712,
13.2369)**

Conversions

Conversions Part 1

Format	Color
Hex	F98954
RGB	249, 137, 84
RGB Percent	98%, 54%, 33%
CMY	0.0235, 0.4627, 0.6706
CMYK	0.00, 0.45, 0.66, 0.02
HSL	19°, 93%, 65%
HSV	19°, 66%, 98%
XYZ	49.6128, 38.6712, 13.2369
YIQ	164.4460, 83.7650, 7.2610

Conversions

Conversions Part 2

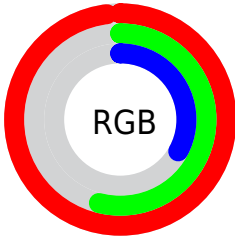
Format	Color
R _Y B	249, 162, 84
Decimal	16353620
CIE Lab	68.51, 38.31, 46.63
CIE LCh	69, 60.349, 50.601
Yxy	38.6712, 0.4887, 0.3809
Android (android.graphics.Color)	4294543700 (0xFFFF98954)
YUV	164.4460, -39.6599, 74.1539
Hunter-Lab	62.1862, 33.5834, 30.9099

Details

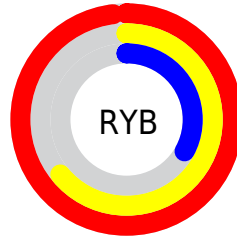
The XYZ color **49.6128, 38.6712, 13.2369** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.4934, 48.2011, 96.7914**, and the grayscale version is **35.6557, 37.5126, 40.8512**.

A 20% lighter version of the original color is **64.4628, 60.7085, 31.2420**, and **24.0454, 17.1831, 3.6395** is the 20% darker color. If you saturate the color by 10%, you get **46.5880, 33.9151, 8.2423**, and if you desaturate by 10%, it is **53.3622, 44.3226, 20.1829**.

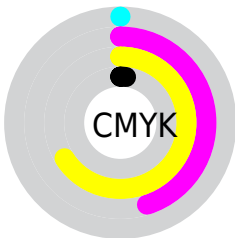
Distribution



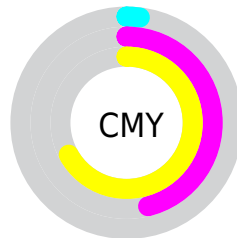
- Red (98%)
- Green (54%)
- Blue (33%)



- Red (98%)
- Yellow (64%)
- Blue (33%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (2%)





- Cyan (2%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6128, 38.6712, 13.2369 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 49.6128, 38.6712, 13.2369 by changing the saturation by 10% instead.


 49.6128, 38.6712,
13.2369


 49.6128, 38.6712,
13.2369


375.6269,
340.4905, 223.6913

 35.3224, 26.5040,
7.4592


 88.7962, 73.1358,
32.4261

 24.0790, 17.2011,
3.6682


 114.4198, 96.2019,
46.6748

 15.5173, 10.3780,
1.4451


 144.5520,
123.6699, 64.5842

 9.2719, 5.6503,
0.1765

 179.5579,
155.9241, 86.5729

 4.9775, 2.6336,
0.0000

 219.8030,
193.3488, 113.0594

 2.2687, 0.9436,
0.0000

265.6526,

 0.7786, 0.0000,

236.3286, 144.4623

0.0000

317.4721,
285.2477, 181.2001

■ 0.0000, 0.0000,
0.0000

■ 49.6128, 38.6712,
13.2369

■ 49.6128, 38.6712,
13.2369

■ 46.5880, 33.9151,
8.2423

■ 53.3622, 44.3226,
20.1829

■ 44.2291, 29.9979,
4.9877

■ 57.8828, 50.9091,
29.2574

■ 42.4698, 26.8645,
3.2141

■ 63.2201, 58.4751,
40.6199

■ 41.9347, 25.8757,
2.7843

■ 69.4149, 67.0602,
54.4139

■ 76.5053, 76.7017,
70.7710

84.5267, 87.4350,
89.8132

92.8766, 98.8796,
108.7983

Harmonies

Analogous

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



56.6443, 38.6712, 26.2506



49.6128, 38.6712, 13.2369



39.8207, 38.6712, 8.7090

Triad

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



49.6128, 38.6712, 13.2369



21.5185, 38.6712, 34.1270



43.5653, 38.6712, 112.5180

Complementary

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



49.6128, 38.6712, 13.2369



40.4934, 48.2011, 96.7914

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.



33.8524, 38.6712, 117.6846



49.6128, 38.6712, 13.2369



22.1708, 38.6712, 63.3272

Square

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



49.6128, 38.6712, 13.2369



24.3696, 38.6712, 16.8638



26.3373, 38.6712, 96.8534



52.7563, 38.6712, 84.8081

Rectangle

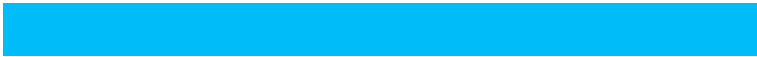
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6128, 38.6712, 13.2369



33.4966, 38.6712, 8.7758



26.3373, 38.6712, 96.8534



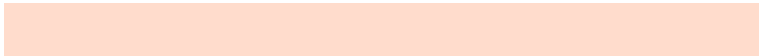
40.2198, 38.6712, 117.3072

Sweetspot

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



49.6137, 38.6732, 13.2376



77.8332, 77.0078, 67.8885



52.2865, 30.5003, 55.8046



16.2097, 15.8710, 13.4939



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.



49.6137, 38.6732, 13.2376



48.1449, 34.1137, 7.1791



65.9332, 71.3122, 18.6774



17.6998, 18.1354, 18.0300



22.5605, 14.0776, 1.5282



2.1810, 1.4869, 0.1720

Inverse Universe

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



40.4934, 48.2011, 96.7914



37.7128, 44.5190, 101.2131



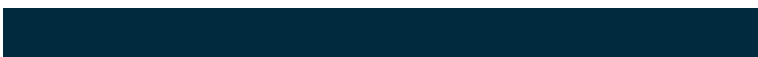
26.8007, 20.8158, 92.2272



17.2682, 18.6132, 22.0679



16.8823, 19.1202, 50.7743



1.6594, 1.9625, 4.7345

Previews

White Background



This preview shows how the XYZ color 49.6128, 38.6712, 13.2369 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 49.6128, 38.6712, 13.2369 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 49.6128, 38.6712, 13.2369

Background



This preview shows how black text looks on a background with the XYZ color 49.6128, 38.6712, 13.2369.



This preview shows how white text looks on a background with the XYZ color 49.6128, 38.6712,

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

49.6128, 38.6712, 13.2369

Protanopia

35.7902, 39.0038, 16.2318

Deuteranopia

39.5415, 38.6262, 12.7687



Tritanopia

52.8611, 38.5542, 29.4666

Trichromacy



Original Color

49.6128, 38.6712, 13.2369

Protanomaly

39.9149, 38.2620, 14.9544

Deuteranomaly

42.6760, 38.2569, 12.9196

Tritanomaly

51.5614, 38.6404, 22.5101

Monochromacy



Original Color

49.6128, 38.6712, 13.2369

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.4345, 36.4626, 27.9339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6128, 38.6712, 13.2369 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, 137, 84)` looks like.

```
.text, #text, p{  
    color:rgb(249, 137, 84)  
}
```

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, 137, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 137, 84) }
```

Border

The CSS property to change the border of an element to XYZ 49.6128, 38.6712, 13.2369 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, 137, 84) }
```


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

```
.border{ border-color:rgb(249, 137, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 137, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 137, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 137, 84);  
box-shadow:4px 4px 4px 4px rgb(249, 137,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6128, 38.6712, 13.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 137, 84) }
```

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

```
.background{ background-color: rgb(249,  
137, 84) }
```

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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