

# Converting Colors

XYZ(49.4665, 37.9189, 15.6007)

Have a look what the booklet for  
XYZ(49.4665, 37.9189, 15.6007)  
contains.

<b>XYZ(49.3021, 37.8329, 15.5304)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.3021, 37.8329,  
15.5304)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F8865F
RGB	248, 134, 95
RGB Percent	97%, 53%, 37%
CMY	0.0275, 0.4745, 0.6274
CMYK	0.00, 0.46, 0.62, 0.03
HSL	15°, 92%, 67%
HSV	15°, 62%, 97%
XYZ	49.3021, 37.8329, 15.5304
YIQ	163.6400, 80.4630, 12.0390

# Conversions

## Conversions Part 2

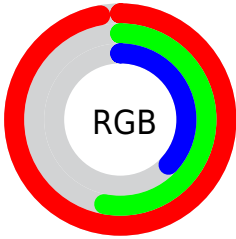
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 147, 95
Decimal	16287327
CIE <sub>Lab</sub>	67.90, 40.11, 40.15
CIE <sub>LCh</sub>	68, 56.758, 45.028
Yxy	37.8329, 0.4802, 0.3685
Android (android.graphics.Color)	4294477407 (0xFFFF8865F)
YUV	163.6400, -33.8395, 73.9837
Hunter-Lab	61.5085, 35.4369, 28.0857

# Details

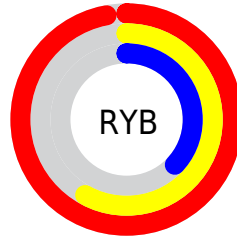
The XYZ color **49.3021, 37.8329, 15.5304** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.4615, 54.8079, 97.0422**, and the grayscale version is **35.2455, 37.0810, 40.3812**.

A 20% lighter version of the original color is **64.6259, 59.7305, 35.3171**, and **23.7801, 16.6789, 4.6553** is the 20% darker color. If you saturate the color by 10%, you get **46.0145, 32.7839, 9.7304**, and if you desaturate by 10%, it is **53.3964, 43.9218, 23.3696**.

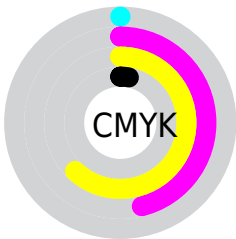
# Distribution



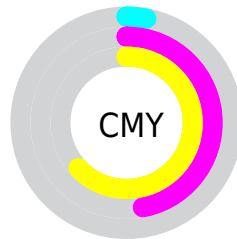
- Red (97%)
- Green (53%)
- Blue (37%)



- Red (97%)
- Yellow (58%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (62%)
- Black (3%)




- Cyan (3%)
- Magenta (47%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3021, 37.8329, 15.5304 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 49.3021, 37.8329, 15.5304 by changing the saturation by 10% instead.





 49.3021, 37.8329,  
15.5304

 49.3021, 37.8329,  
15.5304


374.4277,  
336.9026, 238.3049

 35.0747, 25.8530,  
9.0417


 88.3380, 71.8519,  
36.5364

 23.8872, 16.7137,  
4.6712


 113.8772, 94.6599,  
51.8908

 15.3743, 10.0306,  
2.0003


 143.9178,  
121.8460, 71.0375

 9.1705, 5.4192,  
0.5555

 178.8250,  
153.7947, 94.3951

 4.9106, 2.4953,  
0.0000

218.9642,  
190.8903, 122.3821

 2.2291, 0.8743,  
0.0000

264.7008,

 0.7580, 0.0000,

233.5172, 155.4170

0.0000

316.4002,  
282.0598, 193.9184

■ 0.0000, 0.0000,  
0.0000

■ 49.3021, 37.8329,  
15.5304

■ 49.3021, 37.8329,  
15.5304

■ 46.0145, 32.7839,  
9.7304

■ 53.3964, 43.9218,  
23.3696

■ 43.4722, 28.7081,  
5.7733

■ 58.3471, 51.0999,  
33.4151

■ 41.6084, 25.5400,  
3.4269

■ 64.2027, 59.4206,  
45.8193

■ 40.5013, 23.5365,  
2.4083

■ 71.0070, 68.9316,  
60.7201

■ 78.8012, 79.6782,  
78.2447

87.6237, 91.7030,  
98.5118

92.5212, 98.6964,  
108.7817

# Harmonies

## Analogous

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



54.9155, 37.8329, 29.8563



49.3021, 37.8329, 15.5304



40.5130, 37.8329, 9.8624

# Triad

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



49.3021, 37.8329, 15.5304



21.9570, 37.8329, 29.8931



40.5303, 37.8329, 108.0152

# Complementary

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



49.3021, 37.8329, 15.5304



44.4615, 54.8079, 97.0422

# 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.



31.7598, 37.8329, 108.0384



49.3021, 37.8329, 15.5304



21.9601, 37.8329, 55.0892

# Square

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



49.3021, 37.8329, 15.5304



25.2616, 37.8329, 15.5478



25.2708, 37.8329, 85.9020



49.3165, 37.8329, 85.8476



# Rectangle

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



49.3021, 37.8329, 15.5304



34.4955, 37.8329, 9.3102



25.2708, 37.8329, 85.9020



37.4634, 37.8329, 110.8381

# Sweetspot

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



49.3030, 37.8349, 15.5311



77.7535, 76.3550, 69.3834



54.4053, 32.7817, 64.2696



16.1581, 15.6720, 13.7720



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.



49.3030, 37.8349, 15.5311



48.2957, 33.7838, 9.1762



63.7618, 66.7524, 20.3507



17.6042, 17.9443, 17.9981



21.9733, 12.9033, 1.3325



2.1163, 1.3574, 0.1505



# Inverse Universe

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



44.4615, 54.8079, 97.0422



42.6036, 52.9619, 102.5850



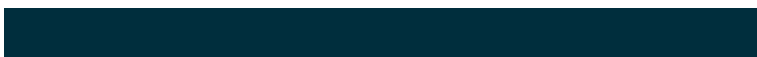
30.0846, 26.0541, 92.2499



17.3693, 18.8153, 22.1016



18.6176, 22.5907, 51.3527



1.8090, 2.2618, 4.7844



# Previews

## White Background



This preview shows how the XYZ color 49.3021, 37.8329, 15.5304 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 49.3021, 37.8329, 15.5304 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 49.3021, 37.8329, 15.5304**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3021, 37.8329, 15.5304.



This preview shows how white text looks on a background with the XYZ color 49.3021, 37.8329,



# 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

49.3021, 37.8329, 15.5304

### Protanopia

35.1125, 38.0373, 19.4012

### Deuteranopia

38.7009, 37.8884, 14.9463



## Tritanopia

52.0903, 37.7826, 28.5921

# Trichromacy



## Original Color

49.3021, 37.8329, 15.5304

## Protanomaly

39.1806, 37.0696, 17.9221

## Deuteranomaly

41.8926, 37.3277, 15.1222

## Tritanomaly

50.9198, 37.6944, 23.0043

# Monochromacy



## Original Color

49.3021, 37.8329, 15.5304

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

38.5571, 36.2486, 29.3906

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3021, 37.8329, 15.5304 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(248, 134, 95)` looks like.

```
.text, #text, p{  
    color:rgb(248, 134, 95)  
}
```

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(248, 134, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 134, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3021, 37.8329, 15.5304 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(248, 134, 95) }
```



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

```
.border{ border-color:rgb(248, 134, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 134, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 134, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 134, 95);  
box-shadow:4px 4px 4px 4px rgb(248, 134,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3021, 37.8329, 15.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 134, 95) }
```

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

```
.background{ background-color: rgb(248,  
134, 95) }
```

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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