

Converting Colors

XYZ(47.5224, 37.7277, 14.6601)

Have a look what the booklet for
XYZ(47.5224, 37.7277, 14.6601)
contains.

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Color

**XYZ(47.5948, 37.8095,
14.6870)**

Conversions

Conversions Part 1

Format	Color
Hex	F28A5B
RGB	242, 138, 91
RGB Percent	95%, 54%, 36%
CMY	0.0510, 0.4588, 0.6431
CMYK	0.00, 0.43, 0.62, 0.05
HSL	19°, 85%, 65%
HSV	19°, 62%, 95%
XYZ	47.5948, 37.8095, 14.6870
YIQ	163.7380, 77.0710, 7.4310

Conversions

Conversions Part 2

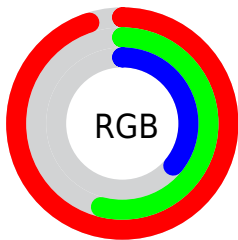
Format	Color
R _Y B	242, 159, 91
Decimal	15895131
CIE Lab	67.88, 35.50, 42.05
CIE LCh	68, 55.030, 49.831
Yxy	37.8095, 0.4755, 0.3778
Android (android.graphics.Color)	4294085211 (0xFFFF28A5B)
YUV	163.7380, -35.8598, 68.6358
Hunter-Lab	61.4894, 30.5582, 28.8809

Details

The XYZ color **47.5948, 37.8095, 14.6870** 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 **39.8554, 47.6627, 91.1033**, and the grayscale version is **35.3024, 37.1409, 40.4464**.

A 20% lighter version of the original color is **65.1924, 61.3529, 33.9975**, and **22.8199, 16.6538, 4.2973** is the 20% darker color. If you saturate the color by 10%, you get **44.5038, 33.0377, 9.3104**, and if you desaturate by 10%, it is **51.3910, 43.4538, 21.9594**.

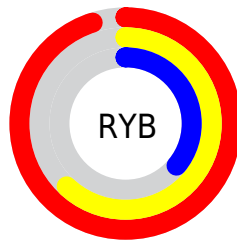
Distribution



Red (95%)

Green (54%)

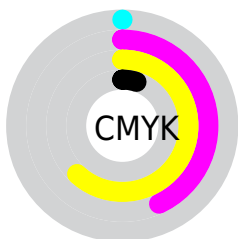
Blue (36%)



Red (95%)

Yellow (62%)

Blue (36%)

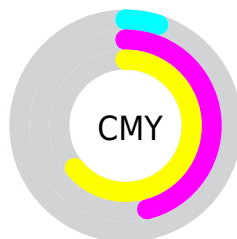


Cyan (0%)

Magenta (43%)

Yellow (62%)

Black (5%)



Cyan (5%)


Magenta (46%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5948, 37.8095, 14.6870 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 47.5948, 37.8095, 14.6870 by changing the saturation by 10% instead.


 47.5948, 37.8095,
14.6870


 47.5948, 37.8095,
14.6870


367.7931,
336.8021, 233.0390

 33.7160, 25.8349,
8.4558


 85.8141, 71.8161,
35.0376


 22.8374, 16.7001,
4.2961


 110.8854, 94.6168,
49.9942

 14.5935, 10.0209,
1.7891


 140.4183,
121.7950, 68.6963

 8.6191, 5.4128,
0.4208

 174.7780,
153.7351, 91.5625

 4.5487, 2.4915,
0.0000

214.3300,
190.8214, 119.0113

 2.0170, 0.8724,
0.0000

259.4396,

 0.6435, 0.0000,

233.4384, 151.4613

0.0000

310.4722,
281.9705, 189.3310

■ 0.0000, 0.0000,
0.0000

■ 47.5948, 37.8095,
14.6870

■ 47.5948, 37.8095,
14.6870

■ 44.5038, 33.0377,
9.3104

■ 51.3910, 43.4538,
21.9594

■ 42.0650, 29.0855,
5.6444

■ 55.9347, 50.0075,
31.2846

■ 40.2206, 25.9028,
3.4695

■ 61.2674, 57.5124,
42.8055

■ 39.1566, 23.9547,
2.5599

■ 67.4268, 66.0059,
56.6515

■ 74.4479, 75.5233,
72.9420

■ 82.3638, 86.0978,
91.7879

■ 90.3236, 97.4087,
108.6489

■ 90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



53.6886, 37.8095, 27.1950



47.5948, 37.8095, 14.6870



38.9126, 37.8095, 10.0733

Triad

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



47.5948, 37.8095, 14.6870



22.0842, 37.8095, 33.4157



41.7958, 37.8095, 103.0884

Complementary

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



47.5948, 37.8095, 14.6870



39.8554, 47.6627, 91.1033

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.



33.1167, 37.8095, 106.9122



47.5948, 37.8095, 14.6870



22.6053, 37.8095, 59.2571

Square

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



47.5948, 37.8095, 14.6870



24.7997, 37.8095, 17.6859



26.3572, 37.8095, 88.5323



49.9906, 37.8095, 79.5315

Rectangle

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



47.5948, 37.8095, 14.6870



33.2073, 37.8095, 10.0545



26.3572, 37.8095, 88.5323



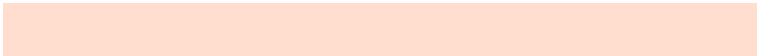
38.8119, 37.8095, 107.0034

Sweetspot

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



47.5957, 37.8115, 14.6877



78.4713, 77.7905, 69.6226



50.4028, 30.3771, 55.8503



16.3294, 16.0145, 13.8291



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.



47.5957, 37.8115, 14.6877



49.2767, 35.8642, 9.1386



61.9998, 66.6196, 19.4890



16.1742, 16.5615, 16.4939



21.1422, 13.0825, 1.4109



1.8442, 1.2591, 0.1458

Inverse Universe

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



39.8554, 47.6627, 91.1033



39.7675, 47.5403, 101.6880



27.2034, 22.3587, 86.8860



15.8081, 17.0504, 20.1795



16.1278, 18.4799, 47.8448



1.4299, 1.7138, 4.0096

Previews

White Background



This preview shows how the XYZ color 47.5948, 37.8095, 14.6870 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 47.5948, 37.8095, 14.6870 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 47.5948, 37.8095, 14.6870

Background



This preview shows how black text looks on a background with the XYZ color 47.5948, 37.8095, 14.6870.



This preview shows how white text looks on a background with the XYZ color 47.5948, 37.8095,

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

47.5948, 37.8095, 14.6870

Protanopia

35.0412, 38.0358, 17.8067

Deuteranopia

38.5758, 37.8383, 14.2872



Tritanopia

50.7152, 37.8381, 29.8298

Trichromacy



Original Color

47.5948, 37.8095, 14.6870

Protanomaly

38.6747, 37.3365, 16.4775

Deuteranomaly

41.4433, 37.5895, 14.3037

Tritanomaly

49.4085, 37.7134, 23.4142

Monochromacy



Original Color

47.5948, 37.8095, 14.6870

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.9749, 36.4553, 28.7020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5948, 37.8095, 14.6870 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(242, 138, 91)` looks like.

```
.text, #text, p{  
    color:rgb(242, 138, 91)  
}
```

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(242, 138, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 138, 91) }
```

Border

The CSS property to change the border of an element to XYZ 47.5948, 37.8095, 14.6870 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(242, 138, 91) }
```


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

```
.border{ border-color:rgb(242, 138, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 138, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 138, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 138, 91);  
box-shadow:4px 4px 4px 4px rgb(242, 138,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5948, 37.8095, 14.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 138, 91) }
```

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

```
.background{ background-color: rgb(242,  
138, 91) }
```

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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