

Converting Colors

XYZ(47.7396, 37.0499, 13.2884)

Have a look what the booklet for
XYZ(47.7396, 37.0499, 13.2884)
contains.

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Color

**XYZ(47.8210, 37.1185,
13.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	F58655
RGB	245, 134, 85
RGB Percent	96%, 53%, 33%
CMY	0.0392, 0.4745, 0.6667
CMYK	0.00, 0.45, 0.65, 0.04
HSL	18°, 89%, 65%
HSV	18°, 65%, 96%
XYZ	47.8210, 37.1185, 13.2385
YIQ	161.6030, 81.8850, 8.2930

Conversions

Conversions Part 2

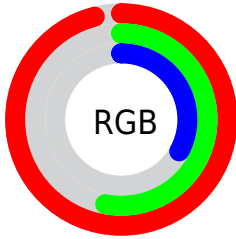
Format	Color
R _Y B	245, 156, 85
Decimal	16090709
CIE Lab	67.37, 38.34, 44.65
CIE LCh	67, 58.855, 49.349
Yxy	37.1185, 0.4871, 0.3781
Android (android.graphics.Color)	4294280789 (0xFFFF58655)
YUV	161.6030, -37.7653, 73.1392
Hunter-Lab	60.9250, 33.4889, 29.7642

Details

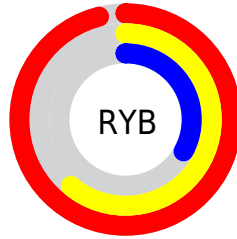
The XYZ color **47.8210, 37.1185, 13.2385** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.9664, 48.0011, 93.5445**, and the grayscale version is **34.3021, 36.0885, 39.3003**.

A 20% lighter version of the original color is **63.8815, 59.4328, 31.3973**, and **22.8797, 16.2354, 3.6781** is the 20% darker color. If you saturate the color by 10%, you get **44.8476, 32.4692, 8.2483**, and if you desaturate by 10%, it is **51.5105, 42.6616, 20.1296**.

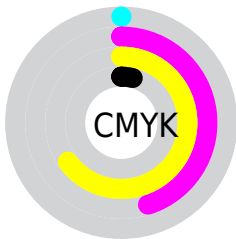
Distribution



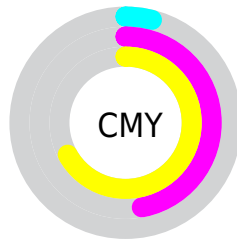
- Red (96%)
- Green (53%)
- Blue (33%)



- Red (96%)
- Yellow (61%)
- Blue (33%)



- Cyan (0%)
- Magenta (45%)
- Yellow (65%)
- Black (4%)



- Cyan (4%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8210, 37.1185, 13.2385 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 47.8210, 37.1185, 13.2385 by changing the saturation by 10% instead.

47.8210, 37.1185,
13.2385

47.8210, 37.1185,
13.2385

368.6766,
333.8233, 223.7018

33.8958, 25.2993,
7.4603

86.1491, 70.7550,
32.4290

22.9761, 16.3002,
3.6688

111.2828, 93.3410,
46.6785

14.6964, 9.7368,
1.4455

140.8833,
120.2848, 64.5888

8.6915, 5.2248,
0.1768

175.3161,
151.9707, 86.5785

4.5960, 2.3798,
0.0000

214.9465,
188.7831, 113.0661

2.0445, 0.8154,
0.0000

260.1398,

0.6588, 0.0000,

231.1064, 144.4701

0.0000

311.2613,
279.3250, 181.2092

■ 0.0000, 0.0000,
0.0000

■ 47.8210, 37.1185,
13.2385

■ 47.8210, 37.1185,
13.2385

■ 44.8476, 32.4692,
8.2483

■ 51.5105, 42.6616,
20.1296

■ 42.5331, 28.6571,
4.9588

■ 55.9616, 49.1385,
29.0900


■ 40.8141, 25.6272,
3.1275


■ 61.2187, 56.5941,
40.2718


■ 40.1748, 24.4500,
2.6019

■ 67.3218, 65.0681,
53.8117

■ 74.3080, 74.5980,
69.8359

 82.2122, 85.2195,
88.4610

 90.8245, 96.8694,
108.5184

 91.4660, 98.1524,
108.7323

Harmonies

Analogous

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



54.2942, 37.1185, 26.0969



47.8210, 37.1185, 13.2385



38.5819, 37.1185, 8.6246

Triad

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



47.8210, 37.1185, 13.2385



20.8384, 37.1185, 31.9167



41.3411, 37.1185, 107.6874

Complementary

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



47.8210, 37.1185, 13.2385



39.9664, 48.0011, 93.5445

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.



32.1721, 37.1185, 111.4769



47.8210, 37.1185, 13.2385



21.3212, 37.1185, 59.1980

Square

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



47.8210, 37.1185, 13.2385



23.6943, 37.1185, 15.9333



25.1490, 37.1185, 90.9970



50.1345, 37.1185, 82.1530

Rectangle

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



47.8210, 37.1185, 13.2385



32.5381, 37.1185, 8.5549



25.1490, 37.1185, 90.9970



38.1718, 37.1185, 111.8625

Sweetspot

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



47.8219, 37.1205, 13.2392



77.6328, 76.6071, 67.8217



50.9827, 29.9409, 55.9155



16.1622, 15.7760, 13.4781



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.



47.8219, 37.1205, 13.2392



48.3200, 34.2739, 7.8230



63.0900, 67.6568, 18.3286



16.9130, 17.3102, 17.2474



21.7501, 13.3857, 1.4373



1.9987, 1.3506, 0.1553

Inverse Universe

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



39.9664, 48.0011, 93.5445



38.9959, 46.6825, 101.5631



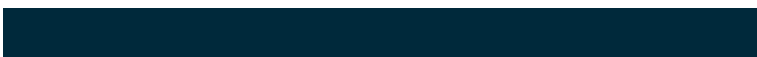
26.5893, 21.2468, 89.0855



16.5434, 17.8511, 21.1162



16.7469, 19.2875, 49.3782



1.5625, 1.8764, 4.3701

Previews

White Background



This preview shows how the XYZ color 47.8210, 37.1185, 13.2385 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 47.8210, 37.1185, 13.2385 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 47.8210, 37.1185, 13.2385

Background



This preview shows how black text looks on a background with the XYZ color 47.8210, 37.1185, 13.2385.



This preview shows how white text looks on a background with the XYZ color 47.8210, 37.1185,

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

47.8210, 37.1185, 13.2385

Protanopia

34.3888, 37.4581, 16.4840

Deuteranopia

38.1335, 37.3896, 12.7965



Tritanopia

50.9459, 37.2009, 28.1623

Trichromacy



Original Color

47.8210, 37.1185, 13.2385

Protanomaly

38.3892, 36.7213, 15.1898

Deuteranomaly

41.1839, 37.0095, 12.9556

Tritanomaly

49.6104, 37.0474, 21.6757

Monochromacy



Original Color

47.8210, 37.1185, 13.2385

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.2695, 35.3842, 27.4198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8210, 37.1185, 13.2385 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(245, 134, 85)` looks like.

```
.text, #text, p{  
    color:rgb(245, 134, 85)  
}
```

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(245, 134, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 134, 85) }
```

Border

The CSS property to change the border of an element to XYZ 47.8210, 37.1185, 13.2385 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(245, 134, 85) }
```


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

```
.border{ border-color:rgb(245, 134, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 134, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 134, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 134, 85);  
box-shadow:4px 4px 4px 4px rgb(245, 134,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8210, 37.1185, 13.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 134, 85) }
```

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

```
.background{ background-color: rgb(245,  
134, 85) }
```

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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