

Converting Colors

XYZ(47.8465, 37.8860, 17.0875)

Have a look what the booklet for
XYZ(47.8465, 37.8860, 17.0875)
contains.

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Color

**XYZ(47.7131, 37.8173,
17.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	F18A65
RGB	241, 138, 101
RGB Percent	95%, 54%, 40%
CMY	0.0549, 0.4588, 0.6039
CMYK	0.00, 0.43, 0.58, 0.05
HSL	16°, 83%, 67%
HSV	16°, 58%, 95%
XYZ	47.7131, 37.8173, 17.0966
YIQ	164.5790, 73.2650, 10.3290

Conversions

Conversions Part 2

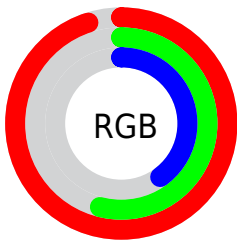
Format	Color
R_{YB}	241, 151, 101
Decimal	15829605
CIE _{Lab}	67.89, 35.80, 36.73
CIE _{LCh}	68, 51.293, 45.736
Yxy	37.8173, 0.4649, 0.3685
Android (android.graphics.Color)	4294019685 (0xFFFF18A65)
YUV	164.5790, -31.3444, 67.0212
Hunter-Lab	61.4958, 30.8763, 26.5637

Details

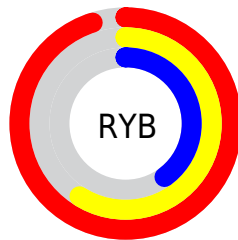
The XYZ color **47.7131, 37.8173, 17.0966** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.8356, 52.3005, 91.0562**, and the grayscale version is **35.6842, 37.5426, 40.8839**.

A 20% lighter version of the original color is **66.0597, 61.6998, 38.5645**, and **22.7928, 16.6159, 5.3740** is the 20% darker color. If you saturate the color by 10%, you get **44.3614, 32.7349, 10.9833**, and if you desaturate by 10%, it is **51.8280, 43.8726, 25.1726**.

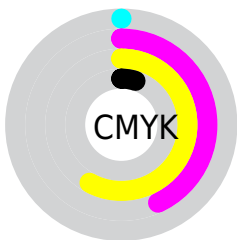
Distribution



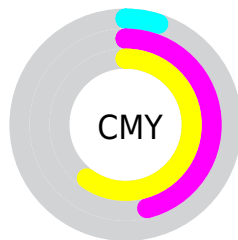
- Red (95%)
- Green (54%)
- Blue (40%)



- Red (95%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (43%)
- Yellow (58%)
- Black (5%)





- Cyan (5%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7131, 37.8173, 17.0966 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 47.7131, 37.8173, 17.0966 by changing the saturation by 10% instead.


 47.7131, 37.8173,
17.0966


 47.7131, 37.8173,
17.0966


368.2553,
336.8356, 247.7912


 33.8100, 25.8409,
10.1407


 85.9894, 71.8280,
39.2847

 22.9099, 16.7047,
5.3855


 111.0933, 94.6312,
55.3540

 14.6473, 10.0242,
2.4125


 140.6616,
121.8120, 75.2982

 8.6569, 5.4150,
0.7933

 175.0595,
153.7549, 99.5358

 4.5734, 2.4927,
0.0000

214.6525,
190.8444, 128.4854

 2.0314, 0.8730,
0.0000

259.8059,

 0.6515, 0.0000,

233.4647, 162.5654

0.0000

310.8851,
282.0003, 202.1945

■ 0.0000, 0.0000,
0.0000

■ 47.7131, 37.8173,
17.0966

■ 47.7131, 37.8173,
17.0966

■ 44.3614, 32.7349,
10.9833

■ 51.8280, 43.8726,
25.1726

■ 41.7189, 28.5667,
6.6593

■ 56.7495, 50.9433,
35.3601

■ 39.7278, 25.2563,
3.9242

■ 62.5211, 59.0766,
47.7958

■ 38.3131, 22.7356,
2.5012

■ 69.1818, 68.3147,
62.6044

■ 38.0922, 22.3341,
2.3032

■ 76.7684, 78.6976,
79.9012

■ 85.3155, 90.2632,
99.7940

■ 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



52.7699, 37.8173, 30.4013



47.7131, 37.8173, 17.0966



39.8465, 37.8173, 11.6393

Triad

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



47.7131, 37.8173, 17.0966



23.0636, 37.8173, 31.2981



40.2545, 37.8173, 99.3766

Complementary

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



47.7131, 37.8173, 17.0966



42.8356, 52.3005, 91.0562

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.



32.3054, 37.8173, 99.9017



47.7131, 37.8173, 17.0966



23.1393, 37.8173, 54.2375

Square

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



47.7131, 37.8173, 17.0966



26.0647, 37.8173, 17.5434



26.2896, 37.8173, 81.1929



48.0495, 37.8173, 79.9478

Rectangle

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



47.7131, 37.8173, 17.0966



34.4369, 37.8173, 11.1588



26.2896, 37.8173, 81.1929



37.4949, 37.8173, 101.9582

Sweetspot

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



47.7140, 37.8193, 17.0973



79.4963, 78.8293, 73.0818



52.0699, 32.4646, 61.9145



16.6663, 16.3918, 14.8559



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.



47.7140, 37.8193, 17.0973



49.7299, 36.1247, 11.2807



60.6959, 63.7830, 21.4246



16.1126, 16.4383, 16.4734



20.7503, 12.2986, 1.2802



1.8049, 1.1805, 0.1327

Inverse Universe

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



42.8356, 52.3005, 91.0562



43.5817, 53.7998, 102.6951



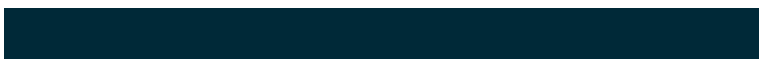
30.0484, 26.7262, 86.7938



15.8733, 17.1807, 20.2012



17.2835, 20.7912, 48.2300



1.5186, 1.8912, 4.0392

Previews

White Background



This preview shows how the XYZ color 47.7131, 37.8173, 17.0966 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 47.7131, 37.8173, 17.0966 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 47.7131, 37.8173, 17.0966

Background



This preview shows how black text looks on a background with the XYZ color 47.7131, 37.8173, 17.0966.



This preview shows how white text looks on a background with the XYZ color 47.7131, 37.8173,

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

47.7131, 37.8173, 17.0966

Protanopia

35.3832, 38.1456, 20.8272

Deuteranopia

38.7416, 37.8733, 16.5776



Tritanopia

50.5782, 37.9611, 30.2527

Trichromacy



Original Color

47.7131, 37.8173, 17.0966

Protanomaly

38.9524, 37.4162, 19.3564

Deuteranomaly

41.5901, 37.6140, 16.6235

Tritanomaly

49.4569, 37.9149, 24.7903

Monochromacy



Original Color

47.7131, 37.8173, 17.0966

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.5961, 36.7331, 30.6472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7131, 37.8173, 17.0966 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(241, 138, 101)` looks like.

```
.text, #text, p{  
    color:rgb(241, 138, 101)  
}
```

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(241, 138, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 138, 101) }
```

Border

The CSS property to change the border of an element to XYZ 47.7131, 37.8173, 17.0966 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(241, 138, 101) }
```


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

```
.border{ border-color:rgb(241, 138, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 138, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 138, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 138, 101);  
box-shadow:4px 4px 4px 4px rgb(241, 138,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7131, 37.8173, 17.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 138, 101) }
```

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

```
.background{ background-color: rgb(241,  
138, 101) }
```

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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