

Converting Colors

XYZ(50.0333, 41.9633, 18.5792)

Have a look what the booklet for
XYZ(50.0333, 41.9633, 18.5792)
contains.

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Color

**XYZ(49.8409, 41.8335,
18.5445)**

Conversions

Conversions Part 1

Format	Color
Hex	F19768
RGB	241, 151, 104
RGB Percent	95%, 59%, 41%
CMY	0.0549, 0.4078, 0.5922
CMYK	0.00, 0.37, 0.57, 0.05
HSL	21°, 83%, 68%
HSV	21°, 57%, 95%
XYZ	49.8409, 41.8335, 18.5445
YIQ	172.5520, 68.7270, 4.4630

Conversions

Conversions Part 2

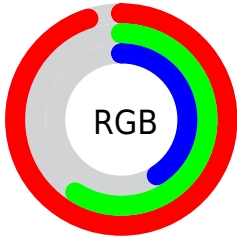
Format	Color
R _Y B	241, 176, 104
Decimal	15832936
CIE Lab	70.76, 29.25, 38.72
CIE LCh	71, 48.525, 52.929
Yxy	41.8335, 0.4522, 0.3795
Android (android.graphics.Color)	4294023016 (0xFFFF19768)
YUV	172.5520, -33.7961, 60.0289
Hunter-Lab	64.6788, 24.3625, 28.2757

Details

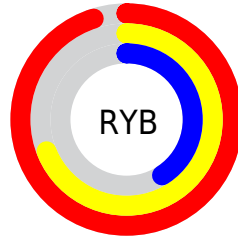
The XYZ color **49.8409, 41.8335, 18.5445** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.8767, 47.8749, 90.3049**, and the grayscale version is **39.6355, 41.6996, 45.4109**.

A 20% lighter version of the original color is **69.3121, 67.8029, 40.8866**, and **24.2075, 19.0233, 6.0104** is the 20% darker color. If you saturate the color by 10%, you get **46.4083, 36.6555, 12.1996**, and if you desaturate by 10%, it is **53.9674, 47.8399, 26.8468**.

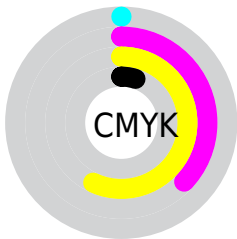
Distribution



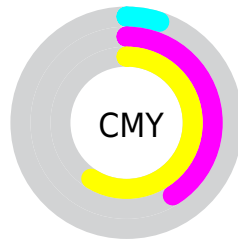
- Red (95%)
- Green (59%)
- Blue (41%)



- Red (95%)
- Yellow (69%)
- Blue (41%)



- Cyan (0%)
- Magenta (37%)
- Yellow (57%)
- Black (5%)





- Cyan (5%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8409, 41.8335, 18.5445 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 49.8409, 41.8335, 18.5445 by changing the saturation by 10% instead.


 49.8409, 41.8335,
18.5445


 49.8409, 41.8335,
18.5445


376.5057,
353.7923, 256.2609

 35.5043, 28.9709,
11.1681


 89.1323, 77.9476,
41.7894


 24.2199, 19.0588,
6.0645


 114.8179,
101.9679, 58.4950

 15.6225, 11.7128,
2.8149


 145.0171,
130.4762, 79.1474

 9.3465, 6.5484,
1.0009

 180.0953,
163.8570, 104.1652

 5.0268, 3.1813,
0.0000

220.4179,
202.4946, 133.9669

 2.2979, 1.2271,
0.0000

266.3503,

 0.7936, 0.0837,

246.7734, 168.9710

0.0000

318.2578,
297.0778, 209.5962

0.0000, 0.0000,
0.0000

49.8409, 41.8335,
18.5445

49.8409, 41.8335,
18.5445

46.4083, 36.6555,
12.1996

53.9674, 47.8399,
26.8468

43.6223, 32.2602,
7.6437

58.8247, 54.7048,
37.2511

41.4336, 28.6064,
4.6831

64.4503, 62.4643,
49.8908

39.7808, 25.6448,
3.0716

70.8781, 71.1504,
64.8876

39.3449, 24.8397,
2.7208

78.1400, 80.7935,
82.3543

■ 86.2658, 91.4226,
102.3965

■ 90.0854, 97.4407,
108.6677

Harmonies

Analogous

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



55.7887, 41.8335, 30.3696



49.8409, 41.8335, 18.5445



41.6974, 41.8335, 14.2000

Triad

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



49.8409, 41.8335, 18.5445



26.2937, 41.8335, 40.3079



46.1020, 41.8335, 99.7897

Complementary

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



49.8409, 41.8335, 18.5445



40.8767, 47.8749, 90.3049

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.



37.8865, 41.8335, 105.2253



49.8409, 41.8335, 18.5445



27.1416, 41.8335, 65.0952

Square

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



49.8409, 41.8335, 18.5445



28.6457, 41.8335, 23.7125



31.1418, 41.8335, 90.8655



53.4347, 41.8335, 77.8377

Rectangle

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



49.8409, 41.8335, 18.5445



36.3977, 41.8335, 14.5648



31.1418, 41.8335, 90.8655



43.3264, 41.8335, 103.8563

Sweetspot

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



49.8419, 41.8356, 18.5453



80.4186, 80.6739, 73.3892



51.1140, 32.5569, 55.4177



16.8825, 16.8241, 14.9279



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.



49.8419, 41.8356, 18.5453



52.2867, 40.9410, 13.0497



63.8887, 69.9293, 23.2276



16.2162, 16.6455, 16.5079



21.4487, 13.6955, 1.5130



1.8736, 1.3178, 0.1556

Inverse Universe

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



40.8767, 47.8749, 90.3049



41.1234, 48.2527, 101.7540



29.1542, 24.4301, 86.3974



15.7642, 16.9625, 20.1648



15.3993, 17.0229, 47.6020



1.3732, 1.6004, 3.9908

Previews

White Background



This preview shows how the XYZ color 49.8409, 41.8335, 18.5445 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 49.8409, 41.8335, 18.5445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

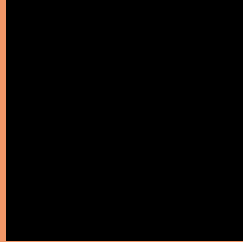
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8409, 41.8335, 18.5445

Background



This preview shows how black text looks on a background with the XYZ color 49.8409, 41.8335, 18.5445.



This preview shows how white text looks on a background with the XYZ color 49.8409, 41.8335,

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

49.8409, 41.8335, 18.5445

Protanopia

39.1030, 42.2832, 21.7233

Deuteranopia

42.8492, 42.0609, 18.1721



Tritanopia

53.5458, 41.7256, 36.2420

Trichromacy



Original Color

49.8409, 41.8335, 18.5445

Protanomaly

42.4631, 41.8081, 20.5836

Deuteranomaly

45.2673, 41.9786, 18.2872

Tritanomaly

52.1859, 41.8781, 28.6253

Monochromacy



Original Color

49.8409, 41.8335, 18.5445

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.0891, 41.0542, 33.7229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8409, 41.8335, 18.5445 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, 151, 104)` looks like.

```
.text, #text, p{  
    color:rgb(241, 151, 104)  
}
```

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, 151, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 151, 104) }
```

Border

The CSS property to change the border of an element to XYZ 49.8409, 41.8335, 18.5445 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, 151, 104) }
```


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

```
.border{ border-color:rgb(241, 151, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 151, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 151, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 151, 104);  
box-shadow:4px 4px 4px 4px rgb(241, 151,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8409, 41.8335, 18.5445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 151, 104) }
```

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

```
.background{ background-color: rgb(241,  
151, 104) }
```

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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