

Converting Colors

XYZ(49.6630, 41.8835, 16.8042)

Have a look what the booklet for
XYZ(49.6630, 41.8835, 16.8042)
contains.

XYZ(49.4999, 41.6971, 16.7487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4999, 41.6971,
16.7487)**

Conversions

Conversions Part 1

Format	Color
Hex	F19761
RGB	241, 151, 97
RGB Percent	95%, 59%, 38%
CMY	0.0549, 0.4078, 0.6196
CMYK	0.00, 0.37, 0.60, 0.05
HSL	23°, 84%, 66%
HSV	23°, 60%, 95%
XYZ	49.4999, 41.6971, 16.7487
YIQ	171.7540, 70.9740, 2.2860

Conversions

Conversions Part 2

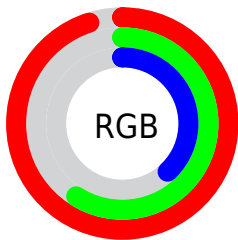
Format	Color
R _Y B	241, 183, 97
Decimal	15832929
CIE Lab	70.66, 28.74, 42.26
CIE LCh	71, 51.101, 55.782
Yxy	41.6971, 0.4586, 0.3863
Android (android.graphics.Color)	4294023009 (0xFFFF19761)
YUV	171.7540, -36.8537, 60.7287
Hunter-Lab	64.5733, 23.8294, 29.8230

Details

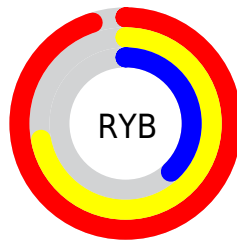
The XYZ color **49.4999, 41.6971, 16.7487** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **38.5761, 44.4305, 89.7613**, and the grayscale version is **39.2446, 41.2884, 44.9631**.

A 20% lighter version of the original color is **68.7361, 67.5725, 37.8538**, and **24.0514, 18.9608, 5.1885** is the 20% darker color. If you saturate the color by 10%, you get **46.2712, 36.7734, 10.9455**, and if you desaturate by 10%, it is **53.3815, 47.3810, 24.4538**.

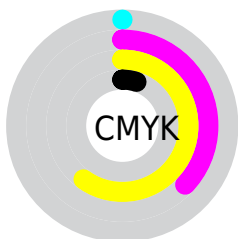
Distribution



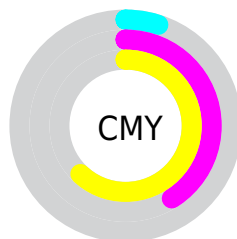
- Red (95%)
- Green (59%)
- Blue (38%)



- Red (95%)
- Yellow (72%)
- Blue (38%)



- Cyan (0%)
- Magenta (37%)
- Yellow (60%)
- Black (5%)





- Cyan (5%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4999, 41.6971, 16.7487 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 49.4999, 41.6971, 16.7487 by changing the saturation by 10% instead.


 49.4999, 41.6971,
16.7487


 49.4999, 41.6971,
16.7487

375.1914,
353.2258, 245.7147


 35.2324, 28.8642,
9.8954


 88.6297, 77.7410,
38.6779


 24.0093, 18.9781,
5.2250


 114.2227,
101.7208, 54.5909

 15.4653, 11.6545,
2.3188


 144.3216,
130.1849, 74.3609

 9.2350, 6.5089,
0.7417


 179.2917,
163.5179, 98.4065

 4.9531, 3.1569,
0.0000

219.4984,
202.1041, 127.1461

 2.2543, 1.2142,
0.0000

265.3070,

 0.7711, 0.0732,

246.3279, 160.9983

0.0000

317.0829,
296.5736, 200.3817

■ 0.0000, 0.0000,
0.0000

■ 49.4999, 41.6971,
16.7487

■ 49.4999, 41.6971,
16.7487

■ 46.2712, 36.7734,
10.9455

■ 53.3815, 47.3810,
24.4538

■ 43.6489, 32.5673,
6.8694

■ 57.9521, 53.8518,
34.2097

■ 41.5834, 29.0411,
4.3167


■ 63.2483, 61.1428,
46.1529


■ 39.9994, 26.1434,
2.9553

■ 69.3030, 69.2831,
60.4076

■ 39.9641, 26.0781,
2.9272

■ 76.1470, 78.3003,
77.0882

 83.8092, 88.2207,
96.3020

 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.



56.1558, 41.6971, 28.0047



49.4999, 41.6971, 16.7487



40.8401, 41.6971, 12.9890

Triad

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



49.4999, 41.6971, 16.7487



25.5233, 41.6971, 42.0606



47.1356, 41.6971, 101.5886

Complementary

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



49.4999, 41.6971, 16.7487



38.5761, 44.4305, 89.7613

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.



38.4476, 41.6971, 109.5027



49.4999, 41.6971, 16.7487



26.7160, 41.6971, 68.8252

Square

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



49.4999, 41.6971, 16.7487



27.6463, 41.6971, 23.9212



31.1710, 41.6971, 95.8398



54.6603, 41.6971, 76.9564

Rectangle

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



49.4999, 41.6971, 16.7487



35.3706, 41.6971, 13.7096



31.1710, 41.6971, 95.8398



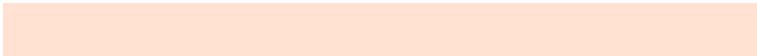
44.2223, 41.6971, 106.5975

Sweetspot

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



49.5009, 41.6992, 16.7495



80.0430, 80.4323, 71.6928



49.6490, 30.8899, 51.0358



16.6735, 16.6054, 14.2439



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.



49.5009, 41.6992, 16.7495



51.8060, 40.5517, 11.1255



64.5013, 71.7000, 21.7496



16.2585, 16.7301, 16.5220



21.7909, 14.3798, 1.6271



1.9054, 1.3814, 0.1662

Inverse Universe

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



38.5761, 44.4305, 89.7613



38.2669, 43.7525, 101.0359



27.0757, 21.4296, 85.9279



15.7203, 16.8747, 20.1502



14.7112, 15.6467, 47.3726



1.3191, 1.4921, 3.9727

Previews

White Background



This preview shows how the XYZ color 49.4999, 41.6971, 16.7487 looks on a white background.

Color Contrast Check

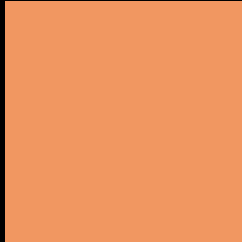
Large Text (above 18pt) WCAG AA × Fail

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 49.4999, 41.6971, 16.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

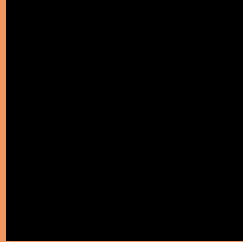
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4999, 41.6971, 16.7487

Background



This preview shows how black text looks on a background with the XYZ color 49.4999, 41.6971, 16.7487.



This preview shows how white text looks on a background with the XYZ color 49.4999, 41.6971,

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

49.4999, 41.6971, 16.7487

Protanopia

38.4796, 41.7259, 19.3904

Deuteranopia

42.6269, 41.7155, 16.3949



Tritanopia

53.5458, 41.7256, 36.2420

Trichromacy



Original Color

49.4999, 41.6971, 16.7487

Protanomaly

41.8658, 41.2795, 18.3315

Deuteranomaly

45.0678, 41.6558, 16.4915

Tritanomaly

52.0450, 41.8218, 27.8836

Monochromacy



Original Color

49.4999, 41.6971, 16.7487

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.4123, 40.4656, 32.4160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4999, 41.6971, 16.7487 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(241, 151, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 151, 97) }
```

Border

The CSS property to change the border of an element to XYZ 49.4999, 41.6971, 16.7487 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, 97) }
```


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

```
.border{ border-color:rgb(241, 151, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 151, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 151, 97);  
box-shadow:4px 4px 4px 4px rgb(241, 151,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4999, 41.6971, 16.7487 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, 97) }
```

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

```
.background{ background-color: rgb(241,  
151, 97) }
```

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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