

Converting Colors

XYZ(49.8720, 43.0891, 21.4821)

Have a look what the booklet for
XYZ(49.8720, 43.0891, 21.4821)
contains.

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Color

**XYZ(49.8508, 42.9964,
21.5913)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9C72
RGB	237, 156, 114
RGB Percent	93%, 61%, 45%
CMY	0.0706, 0.3882, 0.5529
CMYK	0.00, 0.34, 0.52, 0.07
HSL	20°, 77%, 69%
HSV	20°, 52%, 93%
XYZ	49.8508, 42.9964, 21.5913
YIQ	175.4310, 61.7580, 4.1100

Conversions

Conversions Part 2

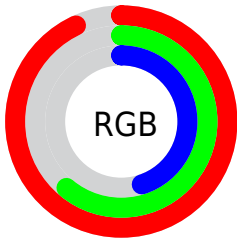
Format	Color
RYB	237, 178, 114
Decimal	15572082
CIELab	71.55, 25.84, 34.32
CIELCh	72, 42.966, 53.023
Yxy	42.9964, 0.4356, 0.3757
Android (android.graphics.Color)	4293762162 (0xFFED9C72)
YUV	175.4310, -30.2855, 53.9960
Hunter-Lab	65.5716, 20.9541, 26.3773

Details

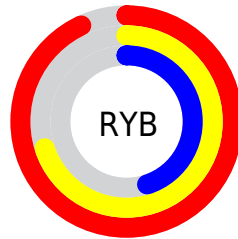
The XYZ color **49.8508, 42.9964, 21.5913** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.7395, 48.7197, 87.3244**, and the grayscale version is **41.1018, 43.2423, 47.0908**.

A 20% lighter version of the original color is **71.4172, 70.6017, 45.9398**, and **24.2645, 19.7473, 7.5337** is the 20% darker color. If you saturate the color by 10%, you get **46.2200, 37.6212, 14.5659**, and if you desaturate by 10%, it is **54.1697, 49.1887, 30.5709**.

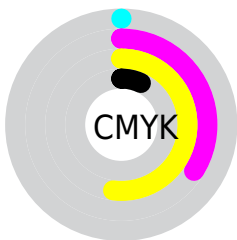
Distribution



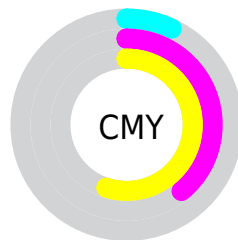
- Red (93%)
- Green (61%)
- Blue (45%)



- Red (93%)
- Yellow (70%)
- Blue (45%)



- Cyan (0%)
- Magenta (34%)
- Yellow (52%)
- Black (7%)





- Cyan (7%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8508, 42.9964, 21.5913 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 49.8508, 42.9964, 21.5913 by changing the saturation by 10% instead.


 49.8508, 42.9964,
21.5913


 49.8508, 42.9964,
21.5913


376.5438,
358.5970, 273.2880


 35.5122, 29.8823,
13.3615


 89.1469, 79.7054,
46.9631


 24.2260, 19.7493,
7.5443


 114.8351,
104.0691, 64.9421

 15.6270, 12.2129,
3.7212


 145.0372,
132.9515, 87.0079

 9.3498, 6.8889,
1.4737

 180.1186,
166.7369, 113.5791

 5.0290, 3.3927,
0.1982

220.4446,
205.8098, 145.0741

 2.2992, 1.3400,
0.0000

266.3806,

 0.7943, 0.1719,

250.5545, 181.9116

0.0000

318.2919,
301.3554, 224.5100

■ 0.0000, 0.0000,
0.0000

■ 49.8508, 42.9964,
21.5913

■ 49.8508, 42.9964,
21.5913

■ 46.2200, 37.6212,
14.5659

■ 54.1697, 49.1887,
30.5709

■ 43.2337, 33.0201,
9.3426

■ 59.2102, 56.2255,
41.6360

■ 40.8479, 29.1556,
5.7507

■ 65.0073, 64.1409,
54.9093

■ 39.0098, 25.9834,
3.5844

■ 71.5924, 72.9649,
70.5031

■ 37.8627, 23.8801,
2.6137

■ 78.9953, 82.7262,
88.5221

■ 87.0499, 93.3745,
108.0428

■ 88.7349, 96.7445,
108.6045

Harmonies

Analogous

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



55.1065, 42.9964, 32.8570



49.8508, 42.9964, 21.5913



42.5859, 42.9964, 17.2907

Triad

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



49.8508, 42.9964, 21.5913



28.5185, 42.9964, 42.1258



46.5726, 42.9964, 94.0871

Complementary

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



49.8508, 42.9964, 21.5913



41.7395, 48.7197, 87.3244

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.



39.1946, 42.9964, 98.7620



49.8508, 42.9964, 21.5913



29.3193, 42.9964, 64.2554

Square

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



49.8508, 42.9964, 21.5913



30.6992, 42.9964, 26.6522



33.0327, 42.9964, 86.5638



53.0629, 42.9964, 75.2127

Rectangle

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



49.8508, 42.9964, 21.5913



37.8014, 42.9964, 17.6703



33.0327, 42.9964, 86.5638



44.0936, 42.9964, 97.5625

Sweetspot

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



49.8518, 42.9985, 21.5921



81.1833, 81.6856, 75.2404



50.9062, 34.0250, 56.1091



17.0335, 17.0242, 15.2927



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.



49.8518, 42.9985, 21.5921



54.4424, 44.2199, 16.9507



62.6464, 68.5877, 25.8570



15.4860, 15.8950, 15.7706



20.7812, 13.2566, 1.4635



1.7183, 1.2139, 0.1437

Inverse Universe

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



41.7395, 48.7197, 87.3244



43.8575, 51.5326, 102.2430



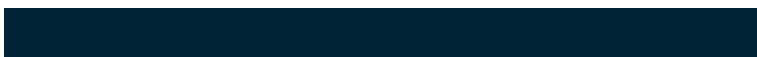
30.8202, 26.8810, 83.6846



15.0594, 16.2053, 19.2565



14.9686, 16.5842, 46.1551



1.2641, 1.4797, 3.6539

Previews

White Background



This preview shows how the XYZ color 49.8508, 42.9964, 21.5913 looks on a white background.

Color Contrast Check

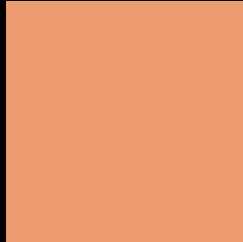
Large Text (above 18pt) WCAG AA × Fail

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 49.8508, 42.9964, 21.5913 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 49.8508, 42.9964, 21.5913

Background



This preview shows how black text looks on a background with the XYZ color 49.8508, 42.9964, 21.5913.



This preview shows how white text looks on a background with the XYZ color 49.8508, 42.9964,

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

49.8508, 42.9964, 21.5913

Protanopia

40.2734, 43.4030, 24.6673

Deuteranopia

44.0786, 43.1722, 21.3391



Tritanopia

53.6150, 43.0867, 39.2090

Trichromacy



Original Color

49.8508, 42.9964, 21.5913

Protanomaly

43.2499, 42.9732, 23.4679

Deuteranomaly

46.0749, 43.1153, 21.5165

Tritanomaly

52.1975, 42.9954, 31.9334

Monochromacy



Original Color

49.8508, 42.9964, 21.5913

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.0411, 42.3109, 36.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8508, 42.9964, 21.5913 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(237, 156, 114)` looks like.

```
.text, #text, p{  
    color:rgb(237, 156, 114)  
}
```

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(237, 156, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 156, 114) }
```

Border

The CSS property to change the border of an element to XYZ 49.8508, 42.9964, 21.5913 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(237, 156, 114) }
```


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

```
.border{ border-color:rgb(237, 156, 114) }
```

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

Here you see how a box with a 4 pixel rgb(237, 156, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 156, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 156, 114);  
box-shadow:4px 4px 4px 4px rgb(237, 156,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8508, 42.9964, 21.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 156, 114) }
```

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

```
.background{ background-color: rgb(237,  
156, 114) }
```

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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