

Converting Colors

XYZ(49.8291, 42.1921, 23.9300)

Have a look what the booklet for XYZ(49.8291, 42.1921, 23.9300) contains.

- XYZ(49.8291, 42.1921, 23.9300) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(49.8291, 42.1921,
23.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	ED997A
RGB	237, 153, 122
RGB Percent	93%, 60%, 48%
CMY	0.0706, 0.4000, 0.5216
CMYK	0.00, 0.35, 0.49, 0.07
HSL	16°, 76%, 70%
HSV	16°, 49%, 93%
XYZ	49.8291, 42.1921, 23.9300
YIQ	174.5820, 60.0150, 8.1670

Conversions

Conversions Part 2

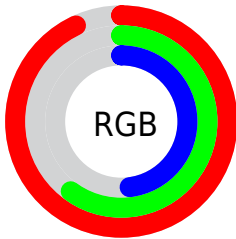
Format	Color
R _Y B	237, 164, 122
Decimal	15571322
CIE Lab	71.00, 28.15, 29.31
CIE LCh	71, 40.641, 46.153
Yxy	42.1921, 0.4297, 0.3639
Android (android.graphics.Color)	4293761402 (0xFFED997A)
YUV	174.5820, -25.9229, 54.7406
Hunter-Lab	64.9554, 23.2602, 23.6260

Details

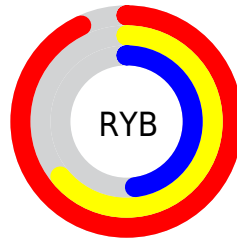
The XYZ color **49.8291, 42.1921, 23.9300** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.3823, 54.3921, 88.2273**, and the grayscale version is **40.6405, 42.7569, 46.5623**.

A 20% lighter version of the original color is **71.5337, 69.4669, 50.1957**, and **24.2164, 19.2534, 8.7433** is the 20% darker color. If you saturate the color by 10%, you get **45.9052, 36.4149, 16.2394**, and if you desaturate by 10%, it is **54.5242, 48.9388, 33.6449**.

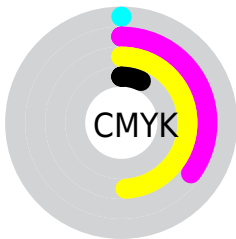
Distribution



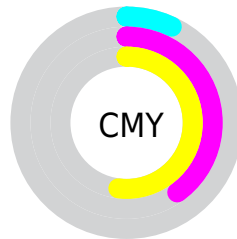
- Red (93%)
- Green (60%)
- Blue (48%)



- Red (93%)
- Yellow (64%)
- Blue (48%)



- Cyan (0%)
- Magenta (35%)
- Yellow (49%)
- Black (7%)





- Cyan (7%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8291, 42.1921, 23.9300 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 49.8291, 42.1921, 23.9300 by changing the saturation by 10% instead.


 49.8291, 42.1921,
23.9300


 49.8291, 42.1921,
23.9300


376.4603,
355.2786, 285.7415


 35.4949, 29.2517,
15.0700


 89.1149, 78.4903,
50.8583

 24.2126, 19.2713,
8.7213


 114.7973,
102.6169, 69.7638

 15.6170, 11.8665,
4.4656


 144.9930,
131.2410, 92.8547

 9.3427, 6.6528,
1.8841

180.0675,
164.7471, 120.5497

 5.0243, 3.2460,
0.4826

220.3861,
203.5195, 153.2674

 2.2964, 1.2614,
0.0000

266.3142,

 0.7928, 0.1111,

247.9426, 191.4262

0.0000

318.2172,
298.4009, 235.4448

■ 0.0000, 0.0000,
0.0000

■ 49.8291, 42.1921,
23.9300

■ 49.8291, 42.1921,
23.9300

■ 45.9052, 36.4149,
16.2394

■ 54.5242, 48.9388,
33.6449

■ 42.7053, 31.5550,
10.4252

■ 60.0277, 56.6913,
45.5127

■ 40.1813, 27.5647,
6.3233

■ 66.3781, 65.4917,
59.6541

■ 38.2773, 24.3889,
3.7393

■ 73.6104, 75.3778,
76.1799

■ 36.9190, 21.9620,
2.3938

■ 81.7576, 86.3853,
95.1940

■ 36.7526, 21.6598,
2.2437

■ 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.



53.9743, 42.1921, 36.3152



49.8291, 42.1921, 23.9300



43.3043, 42.1921, 18.3863

Triad

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



49.8291, 42.1921, 23.9300



28.7286, 42.1921, 37.5706



43.8400, 42.1921, 91.9484

Complementary

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



49.8291, 42.1921, 23.9300



45.3823, 54.3921, 88.2273

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.



37.0622, 42.1921, 92.5676



49.8291, 42.1921, 23.9300



28.8375, 42.1921, 57.1308

Square

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



49.8291, 42.1921, 23.9300



31.4152, 42.1921, 24.6246



31.7316, 42.1921, 78.4736



50.2592, 42.1921, 76.9647

Rectangle

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



49.8291, 42.1921, 23.9300



38.7210, 42.1921, 17.9179



31.7316, 42.1921, 78.4736



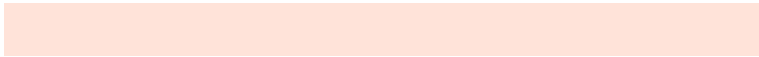
41.5161, 42.1921, 93.9625

Sweetspot

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



49.8301, 42.1942, 23.9308



81.2181, 81.2292, 76.8734



53.0658, 36.3963, 62.8334



17.0096, 16.8729, 15.6039



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.



49.8301, 42.1942, 23.9308



54.3290, 43.1835, 19.4093



61.5256, 65.5852, 27.8293



15.3959, 15.7147, 15.7405



20.1583, 12.0108, 1.2559



1.6603, 1.0979, 0.1244

Inverse Universe

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



45.3823, 54.3921, 88.2273



48.4575, 59.0162, 103.4450



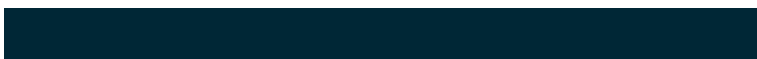
34.0335, 31.6946, 84.4444



15.1543, 16.3950, 19.2881



16.6290, 19.9050, 46.7086



1.3845, 1.7206, 3.6940

Previews

White Background



This preview shows how the XYZ color 49.8291, 42.1921, 23.9300 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 49.8291, 42.1921, 23.9300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

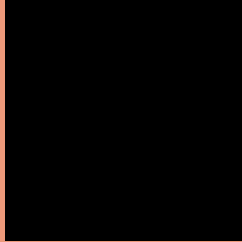
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8291, 42.1921, 23.9300

Background



This preview shows how black text looks on a background with the XYZ color 49.8291, 42.1921, 23.9300.



This preview shows how white text looks on a background with the XYZ color 49.8291, 42.1921,

23.9300.

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

49.8291, 42.1921, 23.9300

Protanopia

39.7263, 42.4756, 27.5775

Deuteranopia

43.1609, 42.3792, 23.3579



Tritanopia

52.7831, 42.2083, 38.1659

Trichromacy



Original Color

49.8291, 42.1921, 23.9300

Protanomaly

42.7093, 41.8101, 26.2412

Deuteranomaly

45.5239, 42.2568, 23.5263

Tritanomaly

51.6913, 42.2387, 32.6226

Monochromacy



Original Color

49.8291, 42.1921, 23.9300

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.1082, 42.0435, 37.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8291, 42.1921, 23.9300 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, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(237, 153, 122)  
}
```

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, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 153, 122) }
```

Border

The CSS property to change the border of an element to XYZ 49.8291, 42.1921, 23.9300 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, 153, 122) }
```


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

```
.border{ border-color:rgb(237, 153, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 153, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 153, 122);  
box-shadow:4px 4px 4px 4px rgb(237, 153,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8291, 42.1921, 23.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 153, 122) }
```

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

```
.background{ background-color: rgb(237,  
153, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor