

Converting Colors

XYZ(49.1100, 42.4357, 29.6487)

Have a look what the booklet for
XYZ(49.1100, 42.4357, 29.6487)
contains.

XYZ(49.1090, 42.4349, 29.6472)	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(49.1090, 42.4349,
29.6472)**

Conversions

Conversions Part 1

Format	Color
Hex	E69C8A
RGB	230, 156, 138
RGB Percent	90%, 61%, 54%
CMY	0.0980, 0.3882, 0.4588
CMYK	0.00, 0.32, 0.40, 0.10
HSL	12°, 65%, 72%
HSV	12°, 40%, 90%
XYZ	49.1090, 42.4349, 29.6472
YIQ	176.0740, 49.8820, 10.0900

Conversions

Conversions Part 2

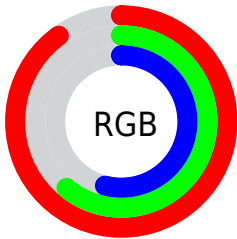
Format	Color
R _Y B	230, 160, 138
Decimal	15113354
CIE Lab	71.17, 25.48, 20.66
CIE LCh	71, 32.808, 39.036
Yxy	42.4349, 0.4052, 0.3501
Android (android.graphics.Color)	4293303434 (0xFFE69C8A)
YUV	176.0740, -18.7705, 47.2931
Hunter-Lab	65.1421, 20.5681, 18.6156

Details

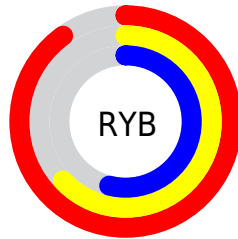
The XYZ color **49.1090, 42.4349, 29.6472** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.3066, 58.2010, 83.5506**, and the grayscale version is **41.3830, 43.5381, 47.4130**.

A 20% lighter version of the original color is **73.9382, 71.6101, 59.2154**, and **23.7250, 19.3759, 11.7220** is the 20% darker color. If you saturate the color by 10%, you get **44.7456, 36.0967, 20.8291**, and if you desaturate by 10%, it is **54.3000, 49.8637, 40.4816**.

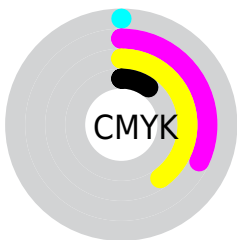
Distribution



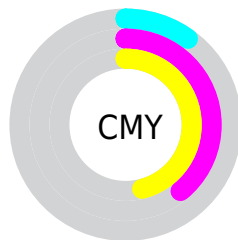
- Red (90%)
- Green (61%)
- Blue (54%)



- Red (90%)
- Yellow (63%)
- Blue (54%)



- Cyan (0%)
- Magenta (32%)
- Yellow (40%)
- Black (10%)





- Cyan (10%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1090, 42.4349, 29.6472 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 49.1090, 42.4349, 29.6472 by changing the saturation by 10% instead.


 49.1090, 42.4349,
29.6472


 49.1090, 42.4349,
29.6472


373.6811,
356.2826, 314.4125


 34.9208, 29.4420,
19.3212


 88.0531, 78.8574,
60.1582

 23.7681, 19.4154,
11.7234


 113.5397,
103.0558, 81.1802

 15.2855, 11.9708,
6.4354


 143.5232,
131.7581, 106.6047

 9.1076, 6.7238,
3.0386

178.3689,
165.3487, 136.8502

 4.8691, 3.2900,
1.1144

218.4422,
204.2121, 172.3351

 2.2046, 1.2849,
0.0000

264.1084,

 0.7452, 0.1295,

248.7326, 213.4781

0.0000

315.7329,
299.2947, 260.6977

■ 0.0000, 0.0000,
0.0000

■ 49.1090, 42.4349,
29.6472

■ 49.1090, 42.4349,
29.6472

■ 44.7456, 36.0967,
20.8291

■ 54.3000, 49.8637,
40.4816

■ 41.1627, 30.7914,
13.8994

■ 60.3557, 58.4252,
53.4442

■ 38.3135, 26.4651,
8.7194

■ 67.3149, 68.1665,
68.6419

■ 36.1444, 23.0565,
5.1302

■ 75.2132, 79.1303,
86.1733

■ 34.5937, 20.4969,
2.9437

■ 84.0841, 91.3573,
106.1315

■ 33.5720, 18.7008,
1.8402

■ 86.4430, 95.5630,
108.4972

■ 33.5719, 18.7007,
1.8402

Harmonies

Analogous

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



51.6931, 42.4349, 41.6131



49.1090, 42.4349, 29.6472



44.2325, 42.4349, 23.3171

Triad

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



49.1090, 42.4349, 29.6472



31.2496, 42.4349, 36.2020



42.0153, 42.4349, 82.9929

Complementary

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



49.1090, 42.4349, 29.6472



48.3066, 58.2010, 83.5506

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.



36.6699, 42.4349, 80.6113



49.1090, 42.4349, 29.6472



30.7727, 42.4349, 51.1215

Square

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



49.1090, 42.4349, 29.6472



34.0381, 42.4349, 26.4610



32.6704, 42.4349, 68.0017



47.3600, 42.4349, 73.9183

Rectangle

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



49.1090, 42.4349, 29.6472



40.5111, 42.4349, 22.0731



32.6704, 42.4349, 68.0017



40.1556, 42.4349, 83.5426

Sweetspot

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



49.1101, 42.4370, 29.6480



83.1540, 83.4737, 82.5351



53.7489, 39.8112, 67.8910



17.5436, 17.5110, 17.1074



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.



49.1101, 42.4370, 29.6480



57.4278, 46.9059, 28.0727



58.0762, 60.3692, 32.6367



14.6042, 14.8223, 14.9957



19.0741, 10.7224, 1.0643



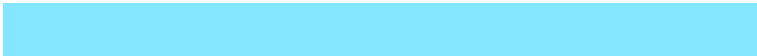
1.4736, 0.9205, 0.1000

Inverse Universe

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



48.3066, 58.2010, 83.5506



56.2484, 69.3513, 105.0293



38.6077, 38.8032, 80.3176



14.5552, 15.8318, 18.4330



17.9939, 23.0498, 45.8839



1.3911, 1.8262, 3.4111

Previews

White Background



This preview shows how the XYZ color 49.1090, 42.4349, 29.6472 looks on a white background.

Color Contrast Check

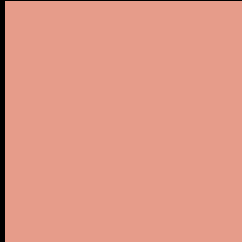
Large Text (above 18pt) WCAG AA × Fail

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 49.1090, 42.4349, 29.6472 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 49.1090, 42.4349, 29.6472

Background



This preview shows how black text looks on a background with the XYZ color 49.1090, 42.4349, 29.6472.



This preview shows how white text looks on a background with the XYZ color 49.1090, 42.4349,

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

49.1090, 42.4349, 29.6472

Protanopia

40.1697, 42.5690, 33.7032

Deuteranopia

43.6234, 42.7620, 29.2472



Tritanopia

51.2078, 42.2926, 40.5863

Trichromacy



Original Color

49.1090, 42.4349, 29.6472

Protanomaly

42.9402, 42.0686, 32.2424

Deuteranomaly

45.5224, 42.6532, 29.5005

Tritanomaly

50.2626, 42.1379, 36.4947

Monochromacy



Original Color

49.1090, 42.4349, 29.6472

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.4745, 42.7203, 40.1369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1090, 42.4349, 29.6472 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(230, 156, 138)` looks like.

```
.text, #text, p{  
    color:rgb(230, 156, 138)  
}
```

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(230, 156, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 156, 138) }
```

Border

The CSS property to change the border of an element to XYZ 49.1090, 42.4349, 29.6472 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(230, 156, 138) }
```


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

```
.border{ border-color:rgb(230, 156, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 156, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 156, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 156, 138);  
box-shadow:4px 4px 4px 4px rgb(230, 156,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1090, 42.4349, 29.6472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 156, 138) }
```

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

```
.background{ background-color: rgb(230,  
156, 138) }
```

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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