

Converting Colors

XYZ(49.0482, 48.7528, 14.1947)

Have a look what the booklet for
XYZ(49.0482, 48.7528, 14.1947)
contains.

XYZ(49.0102, 48.7362, 14.2210)	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(49.0102, 48.7362,
14.2210)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B24F
RGB	227, 178, 79
RGB Percent	89%, 70%, 31%
CMY	0.1098, 0.3019, 0.6902
CMYK	0.00, 0.22, 0.65, 0.11
HSL	40°, 73%, 60%
HSV	40°, 65%, 89%
XYZ	49.0102, 48.7362, 14.2210
YIQ	181.3650, 60.9830, -20.4010

Conversions

Conversions Part 2

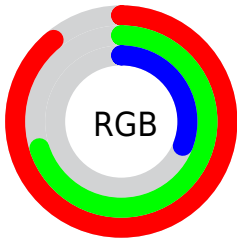
Format	Color
RYB	152, 227, 79
Decimal	14922319
CIELab	75.29, 7.47, 55.92
CIELCh	75, 56.414, 82.393
Yxy	48.7362, 0.4377, 0.4353
Android (android.graphics.Color)	4293112399 (0xFFE3B24F)
YUV	181.3650, -50.4659, 40.0219
Hunter-Lab	69.8113, 3.1440, 36.7902

Details

The XYZ color **49.0102, 48.7362, 14.2210** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.8083, 22.6456, 75.7360**, and the grayscale version is **44.3615, 46.6718, 50.8256**.

A 20% lighter version of the original color is **74.5438, 81.2038, 33.5748**, and **23.7742, 23.3125, 4.1109** is the 20% darker color. If you saturate the color by 10%, you get **46.8666, 45.5534, 10.1029**, and if you desaturate by 10%, it is **51.5200, 52.2004, 19.8535**.

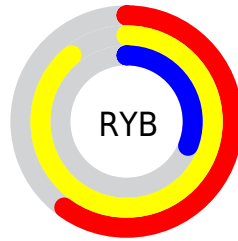
Distribution



Red (89%)

Green (70%)

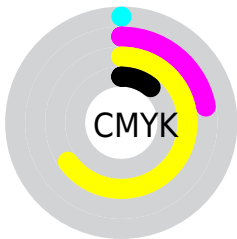
Blue (31%)



Red (60%)

Yellow (89%)

Blue (31%)

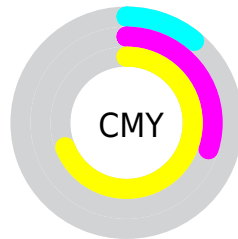


Cyan (0%)

Magenta (22%)

Yellow (65%)

Black (11%)



Cyan (11%)


Magenta (30%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0102, 48.7362, 14.2210 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 49.0102, 48.7362, 14.2210 by changing the saturation by 10% instead.


 49.0102, 48.7362,
14.2210


 49.0102, 48.7362,
14.2210


373.2988,
381.7029, 230.0774


 34.8421, 34.4103,
8.1340


 87.9072, 88.2995,
34.2034


 23.7072, 23.2090,
4.0918


 113.3669,
114.3057, 48.9359


 15.2402, 14.7479,
1.6759


 143.3212,
144.9741, 67.3874

 9.0755, 8.6426,
0.3441


 178.1354,
180.6891, 89.9763

 4.8480, 4.5088,
0.0000

 218.1749,
221.8350, 117.1212

 2.1922, 1.9621,
0.0000

263.8051,

 0.7386, 0.5853,

268.7964, 149.2407

0.0000

315.3912,
321.9576, 186.7532

■ 0.0000, 0.0000,
0.0000

■ 49.0102, 48.7362,
14.2210

■ 49.0102, 48.7362,
14.2210

■ 46.8666, 45.5534,
10.1029

■ 51.5200, 52.2004,
19.8535

■ 45.0545, 42.6302,
7.3373

■ 54.4197, 55.9518,
27.1341

■ 43.5366, 39.9516,
5.7305

■ 57.7347, 60.0044,
36.1850

■ 42.8827, 38.7395,
5.2173

■ 61.4870, 64.3689,
47.1160

■ 65.6968, 69.0553,
60.0279

■ 70.3829, 74.0731,
75.0143

■ 75.5631, 79.4310,
92.1627

■ 80.3388, 84.7716,
106.7360

■ 82.5741, 89.2422,
107.4811

Harmonies

Analogous

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



59.5756, 48.7362, 19.4820



49.0102, 48.7362, 14.2210



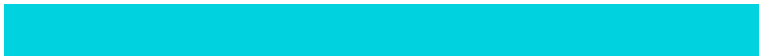
39.1391, 48.7362, 15.8600

Triad

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



49.0102, 48.7362, 14.2210



30.2347, 48.7362, 77.9065



63.9671, 48.7362, 96.0583

Complementary

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



49.0102, 48.7362, 14.2210



24.8083, 22.6456, 75.7360

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.



54.3346, 48.7362, 125.2394



49.0102, 48.7362, 14.2210



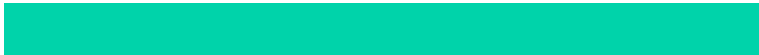
35.1965, 48.7362, 112.3210

Square

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



49.0102, 48.7362, 14.2210



29.2471, 48.7362, 45.8645



43.7345, 48.7362, 132.0981



69.0105, 48.7362, 60.9832

Rectangle

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



49.0102, 48.7362, 14.2210



34.1459, 48.7362, 21.0949



43.7345, 48.7362, 132.0981



61.0957, 48.7362, 107.3472

Sweetspot

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



49.0113, 48.7386, 14.2220



82.7477, 86.8368, 69.5266



38.3929, 23.4905, 23.0484



17.3846, 18.2207, 13.8855



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.



49.0113, 48.7386, 14.2220



60.1874, 58.0087, 11.7788



53.3277, 68.1054, 17.7326



15.1785, 15.9710, 15.1872



25.1206, 22.8154, 3.0798



1.9406, 1.8546, 0.2557

Inverse Universe

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



24.8083, 22.6456, 75.7360



26.6392, 21.9690, 97.4442



22.3317, 14.0616, 74.2097



13.9706, 14.6627, 18.2382



9.6548, 6.3718, 43.1042



0.7962, 0.6363, 3.2128

Previews

White Background



This preview shows how the XYZ color 49.0102, 48.7362, 14.2210 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 49.0102, 48.7362, 14.2210 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 49.0102, 48.7362, 14.2210

Background



This preview shows how black text looks on a background with the XYZ color 49.0102, 48.7362, 14.2210.



This preview shows how white text looks on a background with the XYZ color 49.0102, 48.7362,

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

49.0102, 48.7362, 14.2210

Protanopia

44.4977, 48.8337, 14.8651

Deuteranopia

49.7666, 48.8318, 14.1996



Tritanopia

56.3179, 48.5949, 49.5915

Trichromacy



Original Color

49.0102, 48.7362, 14.2210

Protanomaly

46.1130, 48.7423, 14.5672

Deuteranomaly

49.4465, 48.6668, 14.1847

Tritanomaly

52.7995, 48.2648, 32.5198

Monochromacy



Original Color

49.0102, 48.7362, 14.2210

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.6440, 46.6619, 33.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0102, 48.7362, 14.2210 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(227, 178, 79)` looks like.

```
.text, #text, p{  
    color:rgb(227, 178, 79)  
}
```

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(227, 178, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 178, 79) }
```

Border

The CSS property to change the border of an element to XYZ 49.0102, 48.7362, 14.2210 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(227, 178, 79) }
```


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

```
.border{ border-color:rgb(227, 178, 79) }
```

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

Here you see how a box with a 4 pixel rgb(227, 178, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 178, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 178, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 178,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0102, 48.7362, 14.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 178, 79) }
```

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

```
.background{ background-color: rgb(227,  
178, 79) }
```

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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