

Converting Colors

CIELCh(72, 49.152, 75.625)

Have a look what the booklet for
CIELCh(72, 49.152, 75.625) contains.

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Color

CIELCh(72, 49.293, 75.514)

Conversions

Conversions Part 1

Format	Color
Hex	DEA658
RGB	222, 166, 88
RGB Percent	87%, 65%, 35%
CMY	0.1282, 0.3479, 0.6539
CMYK	0.00, 0.25, 0.60, 0.13
HSL	35°, 67%, 61%
HSV	35°, 60%, 87%
XYZ	45.6764, 43.6590, 15.3090
YIQ	173.8520, 58.4140, -12.3860

Conversions

Conversions Part 2

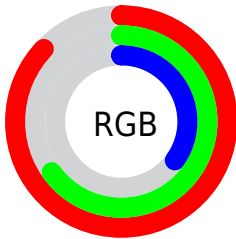
Format	Color
RYB	184, 222, 88
Decimal	14591576
CIELab	72.00, 12.33, 47.73
CIELCh	72, 49.293, 75.514
Yxy	43.6590, 0.4365, 0.4172
Android (android.graphics.Color)	4292781656 (0xFFDEA658)
YUV	173.8520, -42.3250, 42.2258
Hunter-Lab	66.0750, 7.7625, 32.5155

Details

The CIELCh color **72, 49.293, 75.514** 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 **59, 45.547, 276.385**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 44.005, 88.145**, and **52, 49.026, 75.465** is the 20% darker color. If you saturate the color by 10%, you get **70, 57.659, 73.944**, and if you desaturate by 10%, it is **75, 40.693, 76.987**.

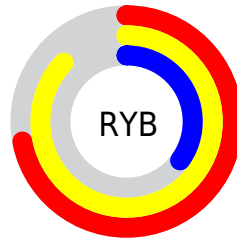
Distribution



Red (87%)

Green (65%)

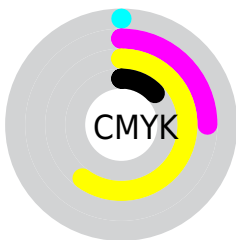
Blue (35%)



Red (72%)

Yellow (87%)

Blue (35%)

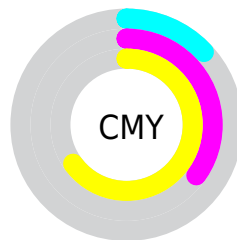


Cyan (0%)

Magenta (25%)

Yellow (60%)

Black (13%)



Cyan (13%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 49.293, 75.514 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 CIELCh color 72, 49.293, 75.514 by changing the saturation by 10% instead.

72, 49.293, 75.514

72, 49.293, 75.514

100, 49.293,
75.514

62, 49.293, 75.514

92, 49.293, 75.514

52, 49.293, 75.514

42, 49.293, 75.514

32, 49.293, 75.514

22, 49.293, 75.514

12, 49.293, 75.514

2, 49.293, 75.514

0, 49.293, 75.514

72, 49.293, 75.514

72, 49.293, 75.514

70, 57.659, 73.944

75, 40.693, 76.987

67, 65.257, 72.158

77, 32.146, 78.400

65, 71.225, 69.954

80, 23.786, 79.775

63, 74.975, 67.284

83, 15.670, 81.113

86, 7.815, 82.401

88, 0.213, 82.168

91, 7.152, 264.984

94, 9.532, 250.326

96, 9.625, 214.678

Harmonies

Complementary

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



72, 49.293, 75.514



59, 45.547, 276.385

Rectangle

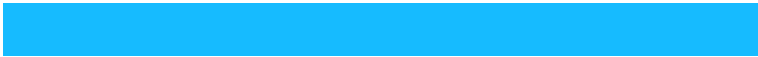
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 49.293, 75.514



72, 49.293, 125.514



72, 49.293, 255.514



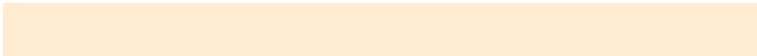
72, 49.293, 305.514

Sweetspot

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



72, 49.293, 75.518



94, 15.477, 81.396



57, 57.905, 355.296



49, 10.808, 81.010



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 49.293, 75.518



78, 65.961, 73.565



86, 66.001, 107.849



46, 4.336, 82.506



50, 62.872, 67.877



12, 19.943, 69.483

Inverse Universe

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



59, 45.547, 276.385



61, 61.032, 280.649



45, 78.826, 301.061



44, 4.292, 265.062



34, 63.798, 290.964



7, 21.577, 281.729

Previews

White Background



This preview shows how the CIELCh color 72, 49.293, 75.514 looks on a white background.

Color Contrast Check

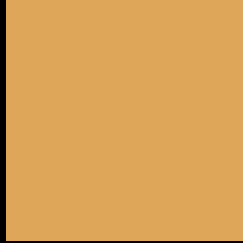
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 49.293, 75.514 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](#).

CIELCh 72, 49.293, 75.514

Background



This preview shows how black text looks on a background with the CIELCh color 72, 49.293, 75.514.



This preview shows how white text looks on a background with the CIELCh color 72, 49.293, 75.514.

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

72, 49.293, 75.514

Protanopia

72, 45.584, 95.768

Deuteranopia

72, 48.657, 78.643



Tritanopia
72, 28.845, 9.353

Trichromacy



Original Color
72, 49.293, 75.514

Protanomaly
72, 45.944, 87.926

Deuteranomaly
72, 48.954, 77.067

Tritanomaly
72, 30.293, 42.282

Monochromacy



Original Color
72, 49.293, 75.514

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 17.504, 79.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 49.293, 75.514 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(222, 166, 88)` looks like.

```
.text, #text, p{  
    color:rgb(222, 166, 88)  
}
```

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(222, 166, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 166, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 49.293, 75.514 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(222, 166, 88) }
```

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

```
.border{ border-color:rgb(222, 166, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 166, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 166, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 166, 88);  
box-shadow:4px 4px 4px 4px rgb(222, 166,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 49.293, 75.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 166, 88) }
```

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

```
.background{ background-color: rgb(222,  
166, 88) }
```

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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