

Converting Colors

CIELCh(72, 51.732, 72.912)

Have a look what the booklet for
CIELCh(72, 51.732, 72.912) contains.

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Color

CIELCh(72, 51.665, 72.790)

Conversions

Conversions Part 1

Format	Color
Hex	E3A455
RGB	227, 164, 85
RGB Percent	89%, 64%, 33%
CMY	0.1088, 0.3560, 0.6658
CMYK	0.00, 0.28, 0.63, 0.11
HSL	33°, 72%, 61%
HSV	33°, 63%, 89%
XYZ	46.7185, 43.6590, 14.6022
YIQ	173.8310, 62.9070, -11.2130

Conversions

Conversions Part 2

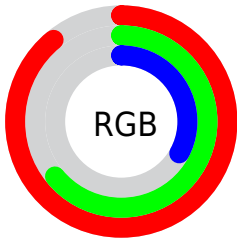
Format	Color
RYB	198, 227, 85
Decimal	14918741
CIELab	72.00, 15.29, 49.35
CIELCh	72, 51.665, 72.790
Yxy	43.6590, 0.4450, 0.4159
Android (android.graphics.Color)	4293108821 (0xFFE3A455)
YUV	173.8310, -43.7937, 46.6292
Hunter-Lab	66.0750, 10.5777, 33.1497

Details

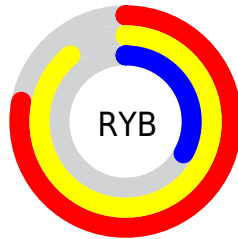
The CIELCh color **72, 51.665, 72.790** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **61, 46.270, 274.744**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 44.844, 87.241**, and **52, 51.782, 72.552** is the 20% darker color. If you saturate the color by 10%, you get **69, 60.203, 71.215**, and if you desaturate by 10%, it is **75, 42.873, 74.251**.

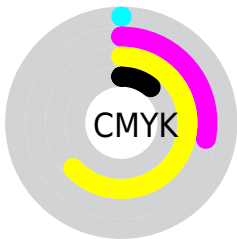
Distribution



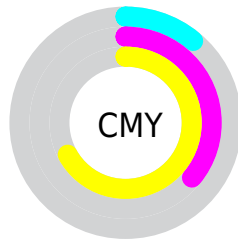
- Red (89%)
- Green (64%)
- Blue (33%)



- Red (78%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (28%)
- Yellow (63%)
- Black (11%)



- Cyan (11%)
- Magenta (36%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 51.665, 72.790 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, 51.665, 72.790 by changing the saturation by 10% instead.

72, 51.665, 72.790

72, 51.665, 72.790

100, 51.665,
72.790

62, 51.665, 72.790

92, 51.665, 72.790

52, 51.665, 72.790

42, 51.665, 72.790

32, 51.665, 72.790

22, 51.665, 72.790

12, 51.665, 72.790

2, 51.665, 72.790

0, 51.665, 72.790

72, 51.665, 72.790

72, 51.665, 72.790

69, 60.203, 71.215

75, 42.873, 74.251

67, 67.878, 69.378

78, 34.149, 75.650

65, 73.736, 67.032

80, 25.645, 77.013

63, 76.750, 64.898

83, 17.423, 78.345

86, 9.498, 79.637

90, 1.860, 80.757

93, 5.509, 262.247

96, 7.839, 240.733

98, 9.422, 198.976

Harmonies

Complementary

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



72, 51.665, 72.790



61, 46.270, 274.744

Rectangle

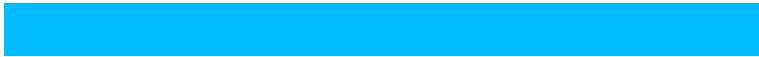
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 51.665, 72.790



72, 51.665, 122.790



72, 51.665, 252.790



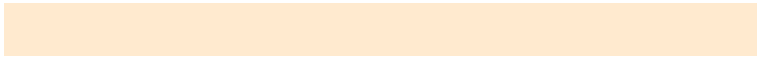
72, 51.665, 302.790

Sweetspot

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



72, 51.665, 72.794



94, 16.049, 78.787



57, 61.088, 354.619



49, 11.106, 78.411



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, 51.665, 72.794



76, 68.312, 70.704



87, 69.149, 106.891



47, 4.324, 80.016



50, 63.944, 65.521



13, 21.066, 66.823

Inverse Universe

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



61, 46.270, 274.744



61, 61.005, 279.495



45, 83.492, 301.164



46, 4.264, 262.578



36, 61.529, 289.001



8, 21.779, 280.816

Previews

White Background



This preview shows how the CIELCh color 72, 51.665, 72.790 looks on a white background.

Color Contrast Check

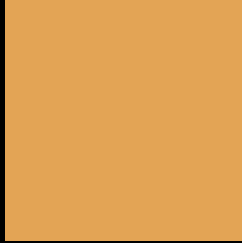
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 51.665, 72.790 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, 51.665, 72.790

Background



This preview shows how black text looks on a background with the CIELCh color 72, 51.665, 72.790.



This preview shows how white text looks on a background with the CIELCh color 72, 51.665, 72.790.

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





Tritanopia
72, 31.251, 10.649

Trichromacy



Original Color
72, 51.665, 72.790

Protanomaly
72, 47.396, 86.609

Deuteranomaly
72, 50.972, 77.422

Tritanomaly
72, 33.062, 41.681

Monochromacy



Original Color
72, 51.665, 72.790

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 17.955, 77.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 51.665, 72.790 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, 164, 85)` looks like.

```
.text, #text, p{  
    color:rgb(227, 164, 85)  
}
```

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, 164, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 164, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 51.665, 72.790 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, 164, 85) }
```

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

```
.border{ border-color:rgb(227, 164, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 164, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 164, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 164, 85);  
box-shadow:4px 4px 4px 4px rgb(227, 164,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 51.665, 72.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 164, 85) }
```

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

```
.background{ background-color: rgb(227,  
164, 85) }
```

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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