

Converting Colors

CIELCh(72, 59.197, 90.342)

Have a look what the booklet for
CIELCh(72, 59.197, 90.342) contains.

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Color

CIELCh(72, 59.197, 90.342)

Conversions

Conversions Part 1

Format	Color
Hex	CEAE3E
RGB	206, 174, 62
RGB Percent	81%, 68%, 24%
CMY	0.1928, 0.3182, 0.7574
CMYK	0.00, 0.16, 0.70, 0.19
HSL	47°, 59%, 52%
HSV	47°, 70%, 81%
XYZ	41.3807, 43.6590, 10.7818
YIQ	170.8000, 55.0240, -28.0480

Conversions

Conversions Part 2

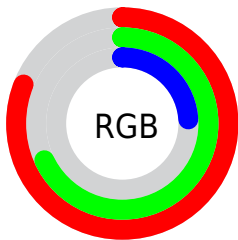
Format	Color
RYB	103, 206, 62
Decimal	13545022
CIELab	72.00, -0.35, 59.20
CIELCh	72, 59.197, 90.342
Yxy	43.6590, 0.4319, 0.4556
Android (android.graphics.Color)	4291735102 (0xFFCEAE3E)
YUV	170.8000, -53.6384, 30.8704
Hunter-Lab	66.0750, -3.8421, 36.5778

Details

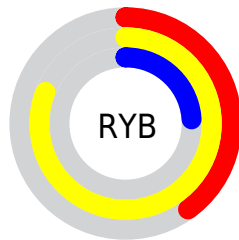
The CIELCh color **72, 59.197, 90.342** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **43, 66.787, 292.957**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 57.748, 94.664**, and **52, 57.710, 90.210** is the 20% darker color. If you saturate the color by 10%, you get **71, 65.476, 88.962**, and if you desaturate by 10%, it is **73, 51.661, 91.670**.

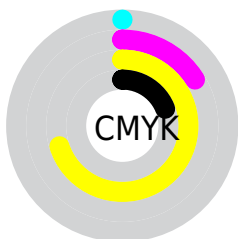
Distribution



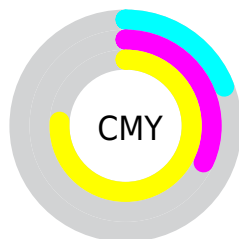
- Red (81%)
- Green (68%)
- Blue (24%)



- Red (40%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (70%)
- Black (19%)



- Cyan (19%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 59.197, 90.342 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, 59.197, 90.342 by changing the saturation by 10% instead.

 72, 59.197, 90.342

 72, 59.197, 90.342

 100, 59.197,
90.342

 62, 59.197, 90.342

 92, 59.197, 90.342

 52, 59.197, 90.342

 42, 59.197, 90.342

 32, 59.197, 90.342

 22, 59.197, 90.342

 12, 59.197, 90.342

 2, 59.197, 90.342

 0, 59.197, 90.342

 72, 59.197, 90.342

 72, 59.197, 90.342

71, 65.476, 88.962

73, 51.661, 91.670

69, 69.801, 87.461

75, 43.416, 92.963

68, 71.986, 85.793

76, 34.816, 94.234

68, 71.996, 85.785

78, 26.075, 95.482

79, 17.311, 96.701

81, 8.590, 97.879

83, 0.052, 282.370

84, 8.600, 280.175

86, 17.048,
281.225

Harmonies

Complementary

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



72, 59.197, 90.342



43, 66.787, 292.957

Rectangle

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



72, 59.197, 90.342



72, 59.197, 140.342



72, 59.197, 270.342



72, 59.197, 320.342

Sweetspot

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



72, 59.197, 90.345



96, 21.693, 96.543



49, 60.069, 13.221



51, 14.698, 96.204



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, 59.197, 90.345



85, 79.876, 88.217



78, 71.707, 116.940



42, 4.860, 97.943



56, 61.369, 86.087



12, 17.110, 90.033

Inverse Universe

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



43, 66.787, 292.957



45, 97.427, 297.606



39, 85.669, 306.635



40, 4.908, 280.202



24, 82.077, 301.450



3, 19.957, 286.243

Previews

White Background



This preview shows how the CIELCh color 72, 59.197, 90.342 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, 59.197, 90.342 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, 59.197, 90.342

Background



This preview shows how black text looks on a background with the CIELCh color 72, 59.197, 90.342.

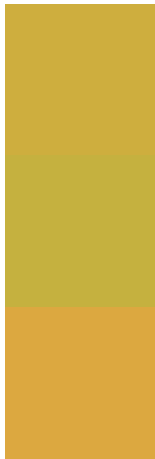


This preview shows how white text looks on a background with the CIELCh color 72, 59.197, 90.342.

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, 59.197, 90.342

Protanopia

72, 58.756, 95.634

Deuteranopia

72, 59.399, 81.314



Tritanopia
72, 21.039, 3.497

Trichromacy



Original Color
72, 59.197, 90.342

Protanomaly
72, 58.703, 93.857

Deuteranomaly
72, 59.220, 84.471

Tritanomaly
72, 26.306, 62.726

Monochromacy



Original Color
72, 59.197, 90.342

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 22.789, 95.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 59.197, 90.342 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(206, 174, 62)` looks like.

```
.text, #text, p{  
    color:rgb(206, 174, 62)  
}
```

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(206, 174, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 174, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 59.197, 90.342 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(206, 174, 62) }
```

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

```
.border{ border-color:rgb(206, 174, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 174, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 174, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 174, 62);  
box-shadow:4px 4px 4px 4px rgb(206, 174,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 59.197, 90.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 174, 62) }
```

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

```
.background{ background-color: rgb(206,  
174, 62) }
```

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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