

Converting Colors

CIELCh(72, 42.481, 85.679)

Have a look what the booklet for
CIELCh(72, 42.481, 85.679) contains.

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Color

CIELCh(72, 42.481, 85.679)

Conversions

Conversions Part 1

Format	Color
Hex	CEAC62
RGB	206, 172, 98
RGB Percent	81%, 67%, 38%
CMY	0.1910, 0.3244, 0.6147
CMYK	0.00, 0.16, 0.52, 0.19
HSL	41°, 53%, 60%
HSV	41°, 52%, 81%
XYZ	42.5560, 43.6590, 17.8029
YIQ	173.7300, 44.0180, -15.8060

Conversions

Conversions Part 2

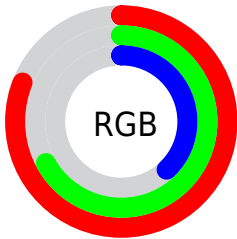
Format	Color
RYB	148, 206, 98
Decimal	13544546
CIELab	72.00, 3.20, 42.36
CIELCh	72, 42.481, 85.679
Yxy	43.6590, 0.4091, 0.4197
Android (android.graphics.Color)	4291734626 (0xFFCEAC62)
YUV	173.7300, -37.3349, 28.3008
Hunter-Lab	66.0750, -0.6673, 30.2777

Details

The CIELCh color $72, 42.481, 85.679$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $56, 42.917, 282.235$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 41.093, 90.872$, and $52, 42.638, 85.904$ is the 20% darker color. If you saturate the color by 10%, you get $70, 50.490, 84.228$, and if you desaturate by 10%, it is $74, 34.248, 87.082$.

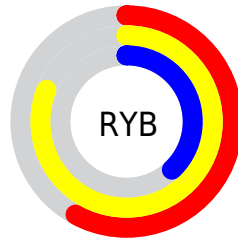
Distribution



Red (81%)

Green (67%)

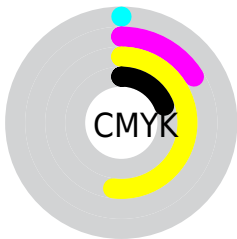
Blue (38%)



Red (58%)

Yellow (81%)

Blue (38%)

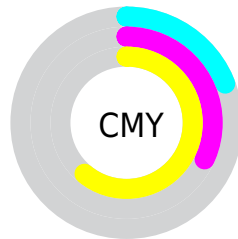


Cyan (0%)

Magenta (16%)

Yellow (52%)

Black (19%)



Cyan (19%)

Magenta (32%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 42.481, 85.679 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, 42.481, 85.679 by changing the saturation by 10% instead.

 72, 42.481, 85.679

 72, 42.481, 85.679

 100, 42.481,
85.679

 62, 42.481, 85.679

 92, 42.481, 85.679

 52, 42.481, 85.679

 42, 42.481, 85.679

 32, 42.481, 85.679

 22, 42.481, 85.679

 12, 42.481, 85.679

 2, 42.481, 85.679

 0, 42.481, 85.679

 72, 42.481, 85.679

 72, 42.481, 85.679

70, 50.490, 84.228

74, 34.248, 87.082

68, 57.916, 82.681

76, 25.988, 88.440

67, 64.172, 80.965

78, 17.806, 89.757

65, 68.473, 78.938

80, 9.750, 91.027

64, 70.441, 77.165

82, 1.842, 92.161

85, 5.915, 273.517

87, 13.524,
274.634

89, 16.934,
270.999

90, 14.764,
257.985

Harmonies

Complementary

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



72, 42.481, 85.679



56, 42.917, 282.235

Rectangle

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



72, 42.481, 85.679



72, 42.481, 135.679



72, 42.481, 265.679



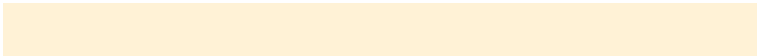
72, 42.481, 315.679

Sweetspot

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



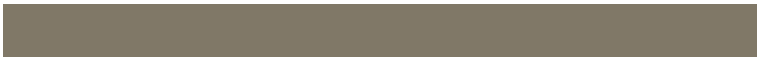
72, 42.481, 85.683



96, 15.038, 90.547



56, 46.291, 1.938



51, 10.173, 90.282



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, 42.481, 85.683



85, 60.517, 84.017



79, 55.546, 113.795



42, 4.417, 91.393



52, 59.898, 77.623



10, 15.630, 80.729

Inverse Universe

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



56, 42.917, 282.235



62, 62.125, 285.517



48, 63.539, 302.579



40, 4.425, 273.815



27, 72.308, 297.308



4, 18.505, 282.845

Previews

White Background



This preview shows how the CIELCh color 72, 42.481, 85.679 looks on a white background.

Color Contrast Check

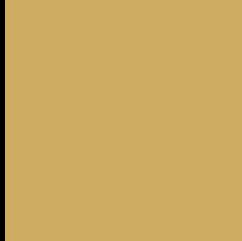
Large Text (above 18pt) WCAG AA × Fail

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, 42.481, 85.679 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, 42.481, 85.679

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.481, 85.679.

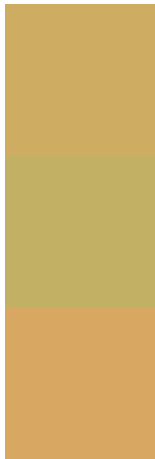


This preview shows how white text looks on a background with the CIELCh color 72, 42.481, 85.679.

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, 42.481, 85.679

Protanopia

72, 41.584, 95.905

Deuteranopia

72, 43.162, 77.150



Tritanopia
72, 20.432, 1.263

Trichromacy



Original Color
72, 42.481, 85.679

Protanomaly
72, 41.763, 92.262

Deuteranomaly
72, 42.659, 80.743

Tritanomaly
72, 20.973, 48.219

Monochromacy



Original Color
72, 42.481, 85.679

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 15.574, 89.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.481, 85.679 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, 172, 98)` looks like.

```
.text, #text, p{  
    color:rgb(206, 172, 98)  
}
```

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, 172, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 172, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.481, 85.679 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, 172, 98) }
```

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

```
.border{ border-color:rgb(206, 172, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 172, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 172, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 172, 98);  
box-shadow:4px 4px 4px 4px rgb(206, 172,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.481, 85.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 172, 98) }
```

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

```
.background{ background-color: rgb(206,  
172, 98) }
```

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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