

Converting Colors

CIELCh(73, 69.610, 92.932)

Have a look what the booklet for
CIELCh(73, 69.610, 92.932) contains.

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Color

CIELCh(73, 69.610, 92.932)

Conversions

Conversions Part 1

Format	Color
Hex	CEB222
RGB	206, 178, 34
RGB Percent	81%, 70%, 13%
CMY	0.1915, 0.3013, 0.8658
CMYK	0.00, 0.14, 0.83, 0.19
HSL	50°, 72%, 47%
HSV	50°, 83%, 81%
XYZ	41.7431, 45.1644, 8.0466
YIQ	169.9560, 62.9120, -38.8480

Conversions

Conversions Part 2

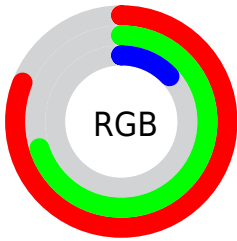
Format	Color
RYB	67, 206, 34
Decimal	13546018
CIELab	73.00, -3.56, 69.52
CIELCh	73, 69.610, 92.932
Yxy	45.1644, 0.4396, 0.4756
Android (android.graphics.Color)	4291736098 (0xFFCEB222)
YUV	169.9560, -67.0263, 31.6106
Hunter-Lab	67.2044, -6.7349, 39.9441

Details

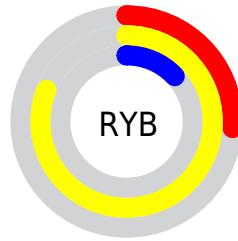
The CIELCh color **73, 69.610, 92.932** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **35, 87.713, 299.634**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 68.563, 96.863**, and **53, 58.446, 92.864** is the 20% darker color. If you saturate the color by 10%, you get **72, 72.939, 91.739**, and if you desaturate by 10%, it is **74, 64.042, 94.096**.

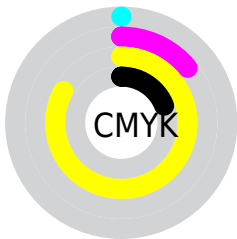
Distribution



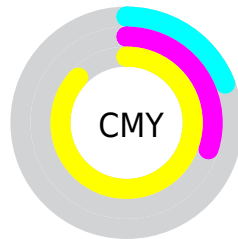
- Red (81%)
- Green (70%)
- Blue (13%)



- Red (26%)
- Yellow (81%)
- Blue (13%)



- Cyan (0%)
- Magenta (14%)
- Yellow (83%)
- Black (19%)



- Cyan (19%)
- Magenta (30%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 69.610, 92.932 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 73, 69.610, 92.932 by changing the saturation by 10% instead.

 73, 69.610, 92.932

 73, 69.610, 92.932

 100, 69.610,
92.932

 63, 69.610, 92.932

 93, 69.610, 92.932

 53, 69.610, 92.932

 43, 69.610, 92.932

 33, 69.610, 92.932

 23, 69.610, 92.932

 13, 69.610, 92.932

 3, 69.610, 92.932

 0, 69.610, 92.932

 73, 69.610, 92.932

 73, 69.610, 92.932

72, 72.939, 91.739

74, 64.042, 94.096

71, 74.091, 90.924

75, 56.858, 95.256

76, 48.658, 96.424

77, 39.878, 97.598

78, 30.798, 98.768

80, 21.587, 99.925

81, 12.341,
101.057

82, 3.119, 102.131

84, 6.049, 283.270

Harmonies

Complementary

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



73, 69.610, 92.932



35, 87.713, 299.634

Rectangle

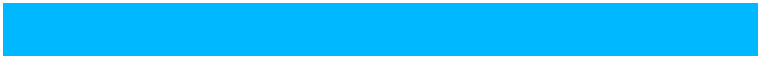
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 69.610, 92.932



73, 69.610, 142.932



73, 69.610, 272.932



73, 69.610, 322.932

Sweetspot

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



73, 69.610, 92.935



96, 27.403, 99.706



45, 71.097, 24.039



51, 18.695, 99.295



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 69.610, 92.935



87, 86.874, 90.755



77, 81.911, 120.147



42, 5.171, 101.501



58, 63.079, 91.132



12, 18.257, 95.014

Inverse Universe

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



35, 87.713, 299.634



36, 123.262, 303.974



34, 99.493, 308.841



40, 5.243, 283.647



22, 87.435, 303.361



3, 20.886, 288.103

Previews

White Background



This preview shows how the CIELCh color 73, 69.610, 92.932 looks on a white background.

Color Contrast Check

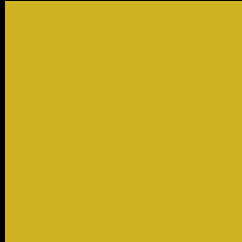
Large Text (above 18pt) WCAG AA × Fail

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 73, 69.610, 92.932 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 73, 69.610, 92.932

Background



This preview shows how black text looks on a background with the CIELCh color 73, 69.610, 92.932.



This preview shows how white text looks on a background with the CIELCh color 73, 69.610, 92.932.

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

73, 69.610, 92.932

Protanopia

73, 69.530, 95.221

Deuteranopia

73, 69.573, 82.132



Tritanopia
73, 20.367, 1.224

Trichromacy



Original Color
73, 69.610, 92.932

Protanomaly
73, 69.423, 94.073

Deuteranomaly
73, 69.384, 86.001

Tritanomaly
72, 30.046, 71.535

Monochromacy



Original Color
73, 69.610, 92.932

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 28.391, 98.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 69.610, 92.932 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, 178, 34)` looks like.

```
.text, #text, p{  
    color:rgb(206, 178, 34)  
}
```

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, 178, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 178, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 69.610, 92.932 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, 178, 34) }
```

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

```
.border{ border-color:rgb(206, 178, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 178, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 178, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 178, 34);  
box-shadow:4px 4px 4px 4px rgb(206, 178,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 69.610, 92.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 178, 34) }
```

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

```
.background{ background-color: rgb(206,  
178, 34) }
```

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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