

Converting Colors

CIELCh(72, 77.486, 113.223)

Have a look what the booklet for
CIELCh(72, 77.486, 113.223)
contains.

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Color

CIELCh(72, 77.471, 113.305)

Conversions

Conversions Part 1

Format	Color
Hex	9DBD0D
RGB	157, 189, 13
RGB Percent	62%, 74%, 5%
CMY	0.3838, 0.2583, 0.9478
CMYK	0.17, 0.00, 0.93, 0.26
HSL	71°, 87%, 40%
HSV	71°, 93%, 74%
XYZ	32.2283, 43.6590, 7.1195
YIQ	159.3680, 37.4240, -61.5200

Conversions

Conversions Part 2

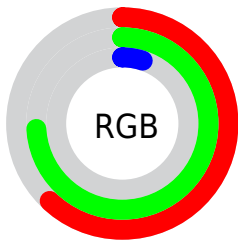
Format	Color
RYB	13, 189, 45
Decimal	10337549
CIELab	72.00, -30.65, 71.15
CIELCh	72, 77.471, 113.305
Yxy	43.6590, 0.3883, 0.5260
Android (android.graphics.Color)	4288527629 (0xFF9DBD0D)
YUV	159.3680, -72.1594, -2.0767
Hunter-Lab	66.0750, -28.5671, 39.8640

Details

The CIELCh color **72, 77.471, 113.305** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **25, 101.806, 306.881**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 77.430, 113.310**, and **52, 63.156, 117.425** is the 20% darker color. If you saturate the color by 10%, you get **72, 79.120, 113.726**, and if you desaturate by 10%, it is **72, 73.779, 112.953**.

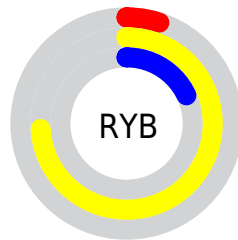
Distribution



Red (62%)

Green (74%)

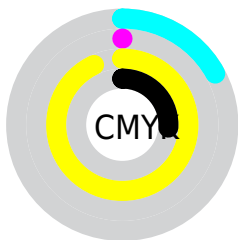
Blue (5%)



Red (5%)

Yellow (74%)

Blue (18%)

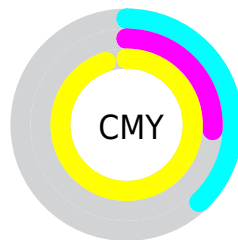


Cyan (17%)

Magenta (0%)

Yellow (93%)

Black (26%)



Cyan (38%)


Magenta (26%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 77.471, 113.305 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, 77.471, 113.305 by changing the saturation by 10% instead.


 72, 77.471,
113.305


 72, 77.471,
113.305


 100, 77.471,
113.305

 62, 77.471,
113.305

 92, 77.471,
113.305

 52, 77.471,
113.305

 42, 77.471,
113.305

 32, 77.471,
113.305

 22, 77.471,
113.305

 12, 77.471,
113.305

 2, 77.471, 113.305

■ 0, 77.471, 113.305

■ 72, 77.471,
113.305

■ 72, 77.471,
113.305

■ 72, 79.120,
113.726

■ 72, 73.779,
112.953

■ 73, 68.080,
112.958

■ 73, 60.765,
113.242

■ 73, 52.301,
113.721

■ 74, 43.077,
114.321

■ 74, 33.377,
114.990

■ 75, 23.391,
115.692

■ 76, 13.244,
116.400

■ 76, 3.019, 117.099

Harmonies

Complementary

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



72, 77.471, 113.305



25, 101.806, 306.881

Rectangle

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



72, 77.471, 113.305



72, 77.471, 163.305



72, 77.471, 293.305



72, 77.471, 343.305

Sweetspot

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



72, 77.471, 113.307



94, 35.079, 115.305



42, 75.677, 41.938



50, 24.136, 115.004



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 77.471, 113.307



91, 96.098, 113.888



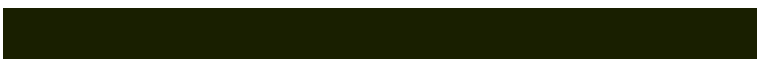
68, 89.022, 132.015



40, 5.785, 116.654



61, 69.258, 113.590



10, 17.354, 118.754

Inverse Universe

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



25, 101.806, 306.881



32, 128.271, 307.007



36, 93.896, 316.736



37, 5.905, 297.982



19, 92.302, 307.189



1, 17.533, 295.699

Previews

White Background



This preview shows how the CIELCh color 72, 77.471, 113.305 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, 77.471, 113.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

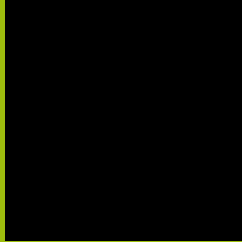
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 77.471, 113.305

Background



This preview shows how black text looks on a background with the CIELCh color 72, 77.471, 113.305.



This preview shows how white text looks on a background with the CIELCh color 72, 77.471, 113.305.

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

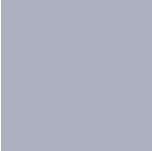
72, 77.471, 113.305

Protanopia

72, 74.410, 95.152

Deuteranopia

72, 69.519, 82.332



Tritanopia
72, 7.735, 280.198

Trichromacy



Original Color
72, 77.471, 113.305

Protanomaly
72, 74.363, 101.867

Deuteranomaly
71, 69.857, 94.666

Tritanomaly
71, 30.039, 118.205

Monochromacy



Original Color
72, 77.471, 113.305

Achromatopsia
66, 0.008, 296.813

Achromatomaly
68, 34.815, 114.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 77.471, 113.305 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(157, 189, 13)` looks like.

```
.text, #text, p{  
    color:rgb(157, 189, 13)  
}
```

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(157, 189, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 189, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 77.471, 113.305 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(157, 189, 13) }
```

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

```
.border{ border-color:rgb(157, 189, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 189, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 189, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 189, 13);  
box-shadow:4px 4px 4px 4px rgb(157, 189,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 77.471, 113.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 189, 13) }
```

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

```
.background{ background-color: rgb(157,  
189, 13) }
```

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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