

Converting Colors

CIELCh(73, 77.930, 111.621)

Have a look what the booklet for
CIELCh(73, 77.930, 111.621)
contains.

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Color

CIELCh(73, 77.907, 111.632)

Conversions

Conversions Part 1

Format	Color
Hex	A4BF0B
RGB	164, 191, 11
RGB Percent	64%, 75%, 4%
CMY	0.3570, 0.2511, 0.9571
CMYK	0.14, 0.00, 0.94, 0.25
HSL	69°, 89%, 40%
HSV	69°, 94%, 75%
XYZ	33.9898, 45.1644, 7.2407
YIQ	162.4070, 41.6880, -61.7040

Conversions

Conversions Part 2

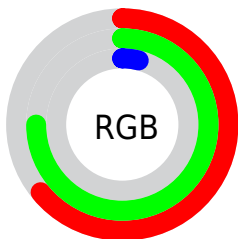
Format	Color
RYB	11, 191, 38
Decimal	10796811
CIELab	73.00, -28.72, 72.42
CIELCh	73, 77.907, 111.632
Yxy	45.1644, 0.3934, 0.5228
Android (android.graphics.Color)	4288986891 (0xFFA4BF0B)
YUV	162.4070, -74.6437, 1.3971
Hunter-Lab	67.2044, -27.3282, 40.6552

Details

The CIELCh color **73, 77.907, 111.632** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **25, 103.692, 306.632**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 77.785, 111.438**, and **53, 63.297, 115.758** is the 20% darker color. If you saturate the color by 10%, you get **73, 79.174, 111.914**, and if you desaturate by 10%, it is **73, 74.559, 111.331**.

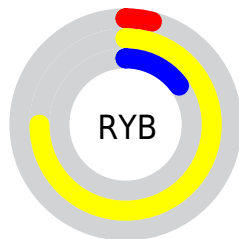
Distribution



Red (64%)

Green (75%)

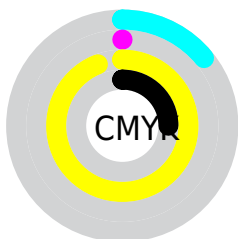
Blue (4%)



Red (4%)

Yellow (75%)

Blue (15%)

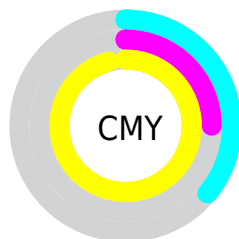


Cyan (14%)

Magenta (0%)

Yellow (94%)

Black (25%)



Cyan (36%)


Magenta (25%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 77.907, 111.632 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, 77.907, 111.632 by changing the saturation by 10% instead.


 73, 77.907,
111.632

 73, 77.907,
111.632


 100, 77.907,
111.632


 63, 77.907,
111.632


 93, 77.907,
111.632

 53, 77.907,
111.632

 43, 77.907,
111.632

 33, 77.907,
111.632

 23, 77.907,
111.632

 13, 77.907,
111.632

 3, 77.907, 111.632

■ 0, 77.907, 111.632

■ 73, 77.907,
111.632

■ 73, 77.907,
111.632

■ 73, 79.174,
111.914

■ 73, 74.559,
111.331

■ 74, 69.144,
111.369

■ 74, 62.024,
111.680

■ 74, 53.675,
112.186

■ 75, 44.508,
112.816

■ 75, 34.824,
113.520

■ 76, 24.826,
114.259

■ 76, 14.649,
115.007

■ 77, 4.382, 115.747

Harmonies

Complementary

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



73, 77.907, 111.632



25, 103.692, 306.632

Rectangle

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



73, 77.907, 111.632



73, 77.907, 161.632



73, 77.907, 291.632



73, 77.907, 341.632

Sweetspot

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



73, 77.907, 111.634



95, 35.258, 113.947



42, 77.682, 41.479



51, 24.464, 113.625



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



73, 77.907, 111.634



92, 96.202, 112.050



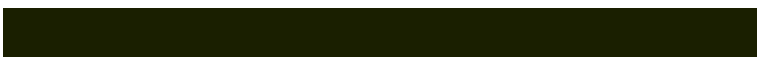
69, 89.787, 131.742



40, 5.768, 115.373



61, 68.814, 111.792



10, 17.223, 116.888

Inverse Universe

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



25, 103.692, 306.632



32, 129.704, 306.794



35, 95.333, 316.160



37, 5.890, 296.785



19, 92.629, 306.954



1, 17.506, 294.814

Previews

White Background



This preview shows how the CIELCh color 73, 77.907, 111.632 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, 77.907, 111.632 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, 77.907, 111.632

Background



This preview shows how black text looks on a background with the CIELCh color 73, 77.907, 111.632.

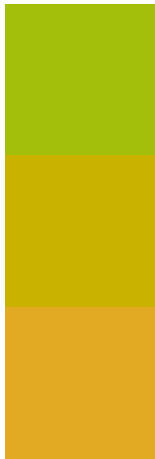


This preview shows how white text looks on a background with the CIELCh color 73, 77.907, 111.632.

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, 77.907, 111.632

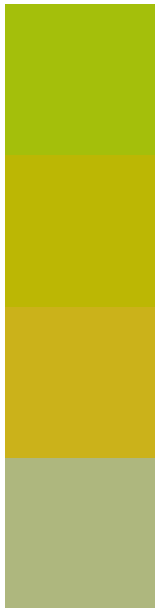
Protanopia
73, 75.085, 94.888

Deuteranopia
73, 70.747, 82.726



Tritanopia
73, 7.623, 293.637

Trichromacy



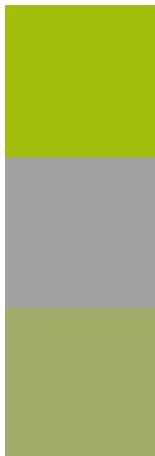
Original Color
73, 77.907, 111.632

Protanomaly
73, 75.117, 101.184

Deuteranomaly
73, 71.231, 94.084

Tritanomaly
72, 30.675, 114.092

Monochromacy



Original Color
73, 77.907, 111.632

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 35.659, 113.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 77.907, 111.632 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(164, 191, 11)` looks like.

```
.text, #text, p{  
    color:rgb(164, 191, 11)  
}
```

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(164, 191, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 191, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 77.907, 111.632 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(164, 191, 11) }
```

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

```
.border{ border-color:rgb(164, 191, 11) }
```

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

Here you see how a box with a 4 pixel rgb(164, 191, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 191, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 191, 11);  
box-shadow:4px 4px 4px 4px rgb(164, 191,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 77.907, 111.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 191, 11) }
```

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

```
.background{ background-color: rgb(164,  
191, 11) }
```

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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