

Converting Colors

CIELCh(71, 77.162, 113.251)

Have a look what the booklet for
CIELCh(71, 77.162, 113.251)
contains.

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Color

CIELCh(71, 77.017, 113.033)

Conversions

Conversions Part 1

Format	Color
Hex	9BBA08
RGB	155, 186, 8
RGB Percent	61%, 73%, 3%
CMY	0.3915, 0.2700, 0.9668
CMYK	0.17, 0.00, 0.95, 0.27
HSL	70°, 91%, 38%
HSV	70°, 95%, 73%
XYZ	31.1875, 42.1875, 6.7418
YIQ	156.4390, 38.6620, -61.9300

Conversions

Conversions Part 2

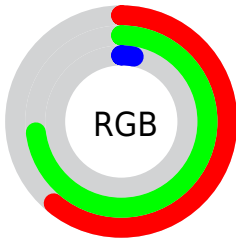
Format	Color
RYB	8, 186, 39
Decimal	10205704
CIELab	71.00, -30.13, 70.88
CIElCh	71, 77.017, 113.033
Yxy	42.1875, 0.3893, 0.5266
Android (android.graphics.Color)	4288395784 (0xFF9BBA08)
YUV	156.4390, -73.1804, -1.2620
Hunter-Lab	64.9519, -27.9568, 39.3122

Details

The CIELCh color **71, 77.017, 113.033** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 101.982, 306.874**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 76.981, 113.059**, and **51, 62.106, 117.312** is the 20% darker color. If you saturate the color by 10%, you get **71, 78.062, 113.290**, and if you desaturate by 10%, it is **71, 73.884, 112.614**.

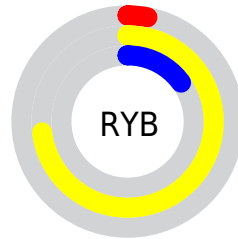
Distribution



Red (61%)

Green (73%)

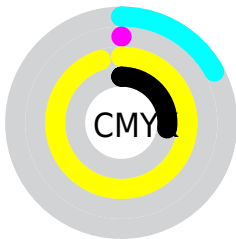
Blue (3%)



Red (3%)

Yellow (73%)

Blue (15%)

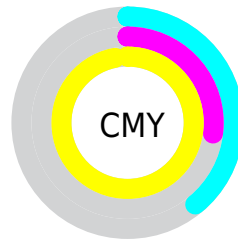


Cyan (17%)

Magenta (0%)

Yellow (95%)

Black (27%)



Cyan (39%)


Magenta (27%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 77.017, 113.033 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 71, 77.017, 113.033 by changing the saturation by 10% instead.


 71, 77.017,
113.033

 71, 77.017,
113.033


 100, 77.017,
113.033


 61, 77.017,
113.033


 91, 77.017,
113.033


 51, 77.017,
113.033

 41, 77.017,
113.033

 31, 77.017,
113.033

 21, 77.017,
113.033

 11, 77.017,
113.033

 1, 77.017, 113.033

■ 0, 77.017, 113.033

■ 71, 77.017,
113.033

■ 71, 77.017,
113.033

■ 71, 78.062,
113.290

■ 71, 73.884,
112.614

■ 72, 68.726,
112.557

■ 72, 61.863,
112.796

■ 72, 53.755,
113.245

■ 73, 44.814,
113.831

■ 73, 35.344,
114.496

■ 74, 25.551,
115.201

■ 74, 15.572,
115.917

■ 75, 5.500, 116.627

Harmonies

Complementary

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



71, 77.017, 113.033



24, 101.982, 306.874

Rectangle

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



71, 77.017, 113.033



71, 77.017, 163.033



71, 77.017, 293.033



71, 77.017, 343.033

Sweetspot

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



71, 77.017, 113.035



93, 35.972, 114.914



41, 76.361, 42.055



50, 24.806, 114.613



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 77.017, 113.035



90, 95.176, 113.452



67, 88.832, 132.200



40, 5.780, 116.351



61, 69.146, 113.169



10, 17.321, 118.317

Inverse Universe

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



24, 101.982, 306.874



32, 127.357, 306.956



34, 93.609, 316.592



37, 5.901, 297.699



19, 92.384, 307.130



1, 17.526, 295.490

Previews

White Background



This preview shows how the CIELCh color 71, 77.017, 113.033 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 71, 77.017, 113.033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

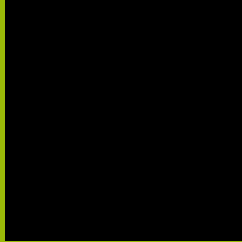
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 77.017, 113.033

Background



This preview shows how black text looks on a background with the CIELCh color 71, 77.017, 113.033.



This preview shows how white text looks on a background with the CIELCh color 71, 77.017, 113.033.

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
71, 77.017, 113.033

Protanopia
71, 73.497, 95.031

Deuteranopia
71, 69.086, 82.080



Tritanopia
71, 7.708, 282.852

Trichromacy



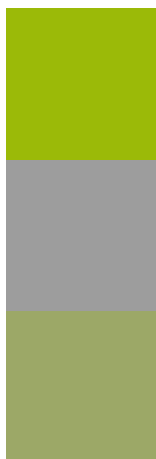
Original Color
71, 77.017, 113.033

Protanomaly
71, 73.657, 101.834

Deuteranomaly
70, 69.585, 94.169

Tritanomaly
70, 30.559, 117.213

Monochromacy



Original Color
71, 77.017, 113.033

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 35.421, 114.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 77.017, 113.033 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(155, 186, 8)` looks like.

```
.text, #text, p{  
    color:rgb(155, 186, 8)  
}
```

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(155, 186, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 186, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 77.017, 113.033 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(155, 186, 8) }
```

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

```
.border{ border-color:rgb(155, 186, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 186, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 186, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 186, 8);  
box-shadow:4px 4px 4px 4px rgb(155, 186,  
8) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 77.017, 113.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 186, 8) }
```

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

```
.background{ background-color: rgb(155,  
186, 8) }
```

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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