

Converting Colors

CIELCh(73, 73.938, 106.202)

Have a look what the booklet for
CIELCh(73, 73.938, 106.202)
contains.

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Color

CIELCh(73, 73.938, 106.202)

Conversions

Conversions Part 1

Format	Color
Hex	B2BB17
RGB	178, 187, 23
RGB Percent	70%, 73%, 9%
CMY	0.3012, 0.2660, 0.9086
CMYK	0.05, 0.00, 0.88, 0.27
HSL	63°, 78%, 41%
HSV	63°, 88%, 73%
XYZ	36.3675, 45.1644, 7.6277
YIQ	165.6130, 47.2800, -52.9120

Conversions

Conversions Part 2

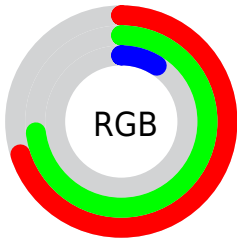
Format	Color
R _Y B	23, 187, 32
Decimal	11713303
CIE Lab	73.00, -20.63, 71.00
CIE LCh	73, 73.938, 106.202
Yxy	45.1644, 0.4079, 0.5066
Android (android.graphics.Color)	4289903383 (0xFFB2BB17)
YUV	165.6130, -70.3082, 10.8634
Hunter-Lab	67.2044, -21.0131, 40.3137

Details

The CIELCh color **73, 73.938, 106.202** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **25, 98.521, 305.370**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 74.138, 106.237**, and **53, 60.476, 108.632** is the 20% darker color. If you saturate the color by 10%, you get **73, 76.488, 106.221**, and if you desaturate by 10%, it is **73, 69.379, 106.431**.

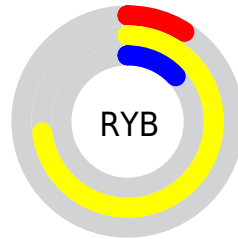
Distribution



Red (70%)

Green (73%)

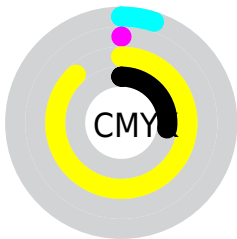
Blue (9%)



Red (9%)

Yellow (73%)

Blue (13%)

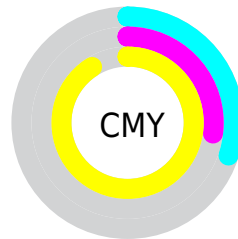


Cyan (5%)

Magenta (0%)

Yellow (88%)

Black (27%)



Cyan (30%)


Magenta (27%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 73.938, 106.202 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, 73.938, 106.202 by changing the saturation by 10% instead.


 73, 73.938,
106.202


 73, 73.938,
106.202


 100, 73.938,
106.202


 63, 73.938,
106.202


 93, 73.938,
106.202

 53, 73.938,
106.202

 43, 73.938,
106.202

 33, 73.938,
106.202

 23, 73.938,
106.202

 13, 73.938,
106.202

 3, 73.938, 106.202

■ 0, 73.938, 106.202

■ 73, 73.938,
106.202

■ 73, 73.938,
106.202

■ 73, 76.488,
106.221

■ 73, 69.379,
106.431

■ 73, 76.994,
106.239

■ 73, 62.982,
106.883

■ 74, 55.208,
107.507

■ 74, 46.496,
108.250

■ 74, 37.182,
109.069

■ 75, 27.500,
109.930

■ 75, 17.600,
110.807

■ 76, 7.583, 111.681

■ 76, 2.486, 292.565

Harmonies

Complementary

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



73, 73.938, 106.202



25, 98.521, 305.370

Rectangle

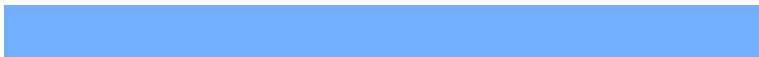
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 73.938, 106.202



73, 73.938, 156.202



73, 73.938, 286.202



73, 73.938, 336.202

Sweetspot

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



73, 73.938, 106.204



94, 32.032, 110.028



41, 74.350, 37.521



50, 21.841, 109.725



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



73, 73.938, 106.204



92, 93.442, 106.293



68, 83.101, 128.503



40, 5.735, 111.524



62, 67.951, 106.197



11, 16.959, 111.100

Inverse Universe

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



25, 98.521, 305.370



31, 128.469, 306.405



33, 92.241, 313.733



36, 5.860, 293.207



18, 93.317, 306.483



1, 17.453, 292.169

Previews

White Background



This preview shows how the CIELCh color 73, 73.938, 106.202 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, 73.938, 106.202 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, 73.938, 106.202

Background



This preview shows how black text looks on a background with the CIELCh color 73, 73.938, 106.202.

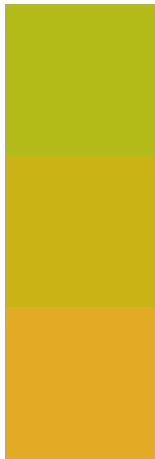


This preview shows how white text looks on a background with the CIELCh color 73, 73.938, 106.202.

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, 73.938, 106.202

Protanopia
73, 72.379, 94.861

Deuteranopia
73, 70.133, 82.241



Tritanopia
73, 9.918, 330.228

Trichromacy



Original Color
73, 73.938, 106.202

Protanomaly
73, 72.529, 99.216

Deuteranomaly
73, 69.956, 91.023

Tritanomaly
72, 27.538, 101.427

Monochromacy



Original Color
73, 73.938, 106.202

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 32.294, 109.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 73.938, 106.202 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(178, 187, 23)` looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 23)  
}
```

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(178, 187, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 73.938, 106.202 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(178, 187, 23) }
```

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

```
.border{ border-color:rgb(178, 187, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 187, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 23);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 73.938, 106.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 23) }
```

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

```
.background{ background-color: rgb(178,  
187, 23) }
```

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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