

Converting Colors

CIELCh(73, 5.403, 109.642)

Have a look what the booklet for
CIELCh(73, 5.403, 109.642) contains.

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Color

CIELCh(73, 5.403, 109.642)

Conversions

Conversions Part 1

Format	Color
Hex	B4B4AA
RGB	180, 180, 170
RGB Percent	71%, 71%, 67%
CMY	0.2947, 0.2947, 0.3339
CMYK	0.00, 0.00, 0.06, 0.29
HSL	60°, 6%, 69%
HSV	60°, 6%, 71%
XYZ	42.3206, 45.1644, 44.4445
YIQ	178.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

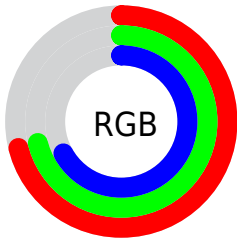
Format	Color
RYB	170, 180, 170
Decimal	11842730
CIELab	73.00, -1.82, 5.09
CIELCh	73, 5.403, 109.642
Yxy	45.1644, 0.3208, 0.3423
Android (android.graphics.Color)	4290032810 (0xFFB4B4AA)
YUV	178.8600, -4.3680, 0.9998
Hunter-Lab	67.2044, -5.2012, 7.8327

Details

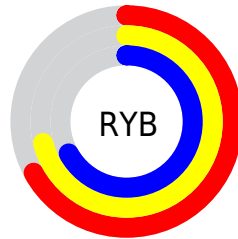
The CIELCh color `73, 5.403, 109.642` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `70, 5.485, 290.750`, and the grayscale version is `73, 0.009, 296.813`.

A 20% lighter version of the original color is `93, 5.649, 109.717`, and `53, 5.184, 109.518` is the 20% darker color. If you saturate the color by 10%, you get `73, 15.104, 108.707`, and if you desaturate by 10%, it is `73, 4.335, 290.621`.

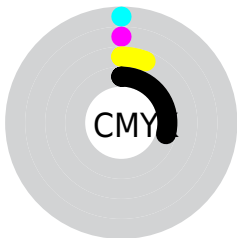
Distribution



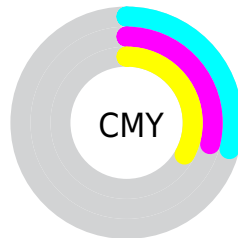
- Red (71%)
- Green (71%)
- Blue (67%)



- Red (67%)
- Yellow (71%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 5.403, 109.642 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, 5.403, 109.642 by changing the saturation by 10% instead.

■ 73, 5.403, 109.642

■ 73, 5.403, 109.642

■ 100, 5.403,
109.642

■ 63, 5.403, 109.642

■ 93, 5.403, 109.642

■ 53, 5.403, 109.642

■ 43, 5.403, 109.642

■ 33, 5.403, 109.642

■ 23, 5.403, 109.642

■ 13, 5.403, 109.642

■ 3, 5.403, 109.642

■ 0, 5.403, 109.642

■ 73, 5.403, 109.642

■ 73, 5.403, 109.642

73, 15.104,
108.707

73, 4.335, 290.621

72, 24.707,
107.750

74, 14.078,
291.527

72, 34.126,
106.805

75, 23.797,
292.408

72, 43.224,
105.895

75, 33.474,
293.254

71, 51.796,
105.045

76, 40.544,
293.850

71, 59.536,
104.290

76, 40.544,
293.853

71, 66.036,
103.668

76, 40.544,
293.855

71, 70.845,
103.217

76, 40.544,
293.858

71, 73.661,

76, 40.544,
293.861

Harmonies

Complementary

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



73, 5.403, 109.642



70, 5.485, 290.750

Rectangle

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



73, 5.403, 109.642



73, 5.403, 159.642



73, 5.403, 289.642



73, 5.403, 339.642

Sweetspot

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



73, 5.405, 109.656



93, 2.407, 109.971



70, 3.808, 19.607



49, 1.367, 109.979



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



73, 5.405, 109.656



93, 8.445, 109.510



73, 5.752, 128.848



38, 4.377, 109.479



61, 66.185, 102.874



8, 13.294, 110.103

Inverse Universe

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



70, 5.485, 290.750



88, 8.593, 290.910



70, 5.809, 309.291



35, 4.457, 290.945



17, 91.388, 306.289



1, 13.317, 290.188

Previews

White Background



This preview shows how the CIELCh color 73, 5.403, 109.642 looks on a white background.

Color Contrast Check

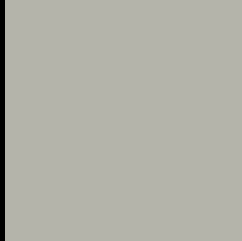
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 73, 5.403, 109.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

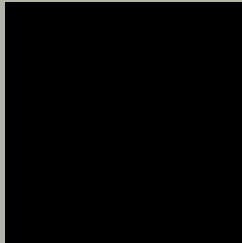
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

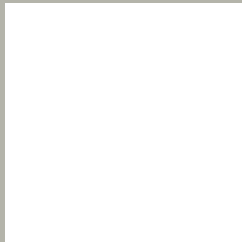
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 5.403, 109.642

Background



This preview shows how black text looks on a background with the CIELCh color 73, 5.403, 109.642.



This preview shows how white text looks on a background with the CIELCh color 73, 5.403, 109.642.

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, 5.403, 109.642

Protanopia

73, 5.544, 80.738

Deuteranopia

73, 10.109, 26.321



Tritanopia
73, 7.949, 306.873

Trichromacy



Original Color
73, 5.403, 109.642

Protanomaly
73, 5.607, 93.802

Deuteranomaly
73, 6.877, 38.154

Tritanomaly
73, 3.116, 318.868

Monochromacy



Original Color
73, 5.403, 109.642

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 1.617, 109.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 5.403, 109.642 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(180, 180, 170)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 170)  
}
```

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(180, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 5.403, 109.642 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(180, 180, 170) }
```

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

```
.border{ border-color:rgb(180, 180, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 5.403, 109.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 170) }
```

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

```
.background{ background-color: rgb(180,  
180, 170) }
```

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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