

Converting Colors

CIELCh(72, 3.494, 103.026)

Have a look what the booklet for
CIELCh(72, 3.494, 103.026) contains.

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Color

CIELCh(72, 3.807, 104.065)

Conversions

Conversions Part 1

Format	Color
Hex	B2B1AA
RGB	178, 177, 170
RGB Percent	70%, 69%, 67%
CMY	0.3030, 0.3070, 0.3344
CMYK	0.00, 0.01, 0.04, 0.30
HSL	53°, 5%, 68%
HSV	53°, 4%, 70%
XYZ	41.1937, 43.6590, 44.1500
YIQ	176.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

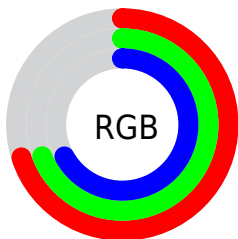
Format	Color
RYB	171, 178, 170
Decimal	11710890
CIELab	72.00, -0.93, 3.69
CIELCh	72, 3.807, 104.065
Yxy	43.6590, 0.3193, 0.3384
Android (android.graphics.Color)	4289900970 (0xFFB2B1AA)
YUV	176.5010, -3.2050, 1.3146
Hunter-Lab	66.0750, -4.3474, 6.6361

Details

The CIELCh color **72, 3.807, 104.065** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 3.851, 285.092**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 4.128, 104.827**, and **52, 3.489, 103.030** is the 20% darker color. If you saturate the color by 10%, you get **71, 12.307, 103.043**, and if you desaturate by 10%, it is **73, 4.664, 285.170**.

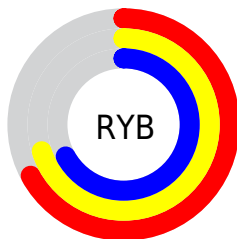
Distribution



Red (70%)

Green (69%)

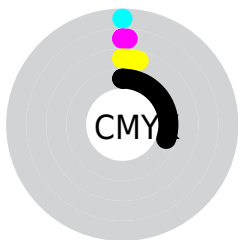
Blue (67%)



Red (67%)

Yellow (70%)

Blue (67%)

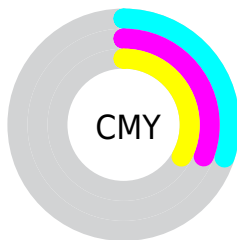


Cyan (0%)

Magenta (1%)

Yellow (4%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 3.807, 104.065 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, 3.807, 104.065 by changing the saturation by 10% instead.

■ 72, 3.807, 104.065

■ 72, 3.807, 104.065

■ 100, 3.807,
104.065

■ 62, 3.807, 104.065

■ 92, 3.807, 104.065

■ 52, 3.807, 104.065

■ 42, 3.807, 104.065

■ 32, 3.807, 104.065

■ 22, 3.807, 104.065

■ 12, 3.807, 104.065

■ 2, 3.807, 104.065

■ 0, 3.807, 104.065

■ 72, 3.807, 104.065

■ 72, 3.807, 104.065

71, 12.307,
103.043

73, 4.664, 285.170

70, 20.797,
101.961

74, 13.091,
286.150

69, 29.219,
100.863

75, 21.459,
287.101

68, 37.475, 99.763

77, 29.762,
288.010

67, 45.400, 98.674

78, 36.095,
288.424

67, 52.736, 97.611

78, 34.900,
286.984

66, 59.088, 96.585

65, 63.944, 95.603

79, 33.728,
285.450

65, 66.813, 94.653

79, 32.580,
283.813

80, 31.461,
282.065

Harmonies

Complementary

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



72, 3.807, 104.065



70, 3.851, 285.092

Rectangle

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



72, 3.807, 104.065



72, 3.807, 154.065



72, 3.807, 284.065



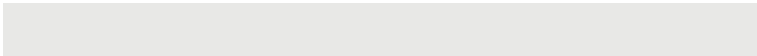
72, 3.807, 334.065

Sweetspot

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



72, 3.809, 104.086



92, 1.042, 104.352



70, 3.094, 8.683



49, 0.597, 104.350



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 3.809, 104.086



91, 5.259, 104.028



72, 4.485, 124.071



38, 2.888, 103.977



56, 60.811, 94.252



7, 10.994, 101.452

Inverse Universe

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



70, 3.851, 285.092



89, 5.318, 285.154



70, 4.534, 304.496



36, 2.922, 285.209



19, 84.816, 304.191



1, 12.056, 285.989

Previews

White Background



This preview shows how the CIELCh color 72, 3.807, 104.065 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 72, 3.807, 104.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

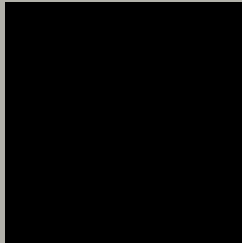
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

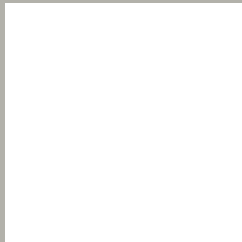
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 3.807, 104.065

Background



This preview shows how black text looks on a background with the CIELCh color 72, 3.807, 104.065.



This preview shows how white text looks on a background with the CIELCh color 72, 3.807, 104.065.

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, 3.807, 104.065

Protanopia

72, 4.234, 82.981

Deuteranopia

72, 9.243, 20.154



Tritanopia
72, 7.974, 306.878

Trichromacy



Original Color
72, 3.807, 104.065

Protanomaly
72, 4.078, 87.814

Deuteranomaly
72, 6.222, 29.855

Tritanomaly
72, 3.613, 314.760

Monochromacy



Original Color
72, 3.807, 104.065

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.138, 90.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 3.807, 104.065 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, 177, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 177, 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(178, 177, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 177, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 3.807, 104.065 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, 177, 170) }
```

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

```
.border{ border-color:rgb(178, 177, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 177, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 177, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 177, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 177,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 3.807, 104.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 177, 170) }
```

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

```
.background{ background-color: rgb(178,  
177, 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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