

Converting Colors

CIELCh(72, 0.085, 307.322)

Have a look what the booklet for
CIELCh(72, 0.085, 307.322) contains.

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Color

CIELCh(72, 0.553, 290.337)

Conversions

Conversions Part 1

Format	Color
Hex	B0B0B1
RGB	176, 176, 177
RGB Percent	69%, 69%, 69%
CMY	0.3083, 0.3083, 0.3044
CMYK	0.01, 0.01, 0.00, 0.30
HSL	240°, 1%, 69%
HSV	240°, 1%, 70%
XYZ	41.5597, 43.6590, 48.0263
YIQ	176.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
RYB	176, 176, 177
Decimal	11579569
CIELab	72.00, 0.19, -0.52
CIELCh	72, 0.553, 290.337
Yxy	43.6590, 0.3119, 0.3277
Android (android.graphics.Color)	4289769649 (0xFFB0B0B1)
YUV	176.1140, 0.4368, -0.1000
Hunter-Lab	66.0750, -3.3586, 3.1578

Details

The CIELCh color $72, 0.553, 290.337$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 0.533, 109.891$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 0.527, 290.356$, and $52, 0.007, 296.813$ is the 20% darker color. If you saturate the color by 10%, you get $66, 10.366, 291.147$, and if you desaturate by 10%, it is $78, 8.890, 109.225$.

Distribution



Red (69%)

Green (69%)

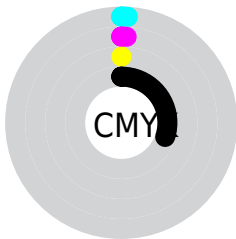
Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)

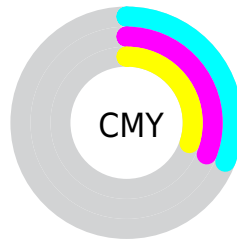


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (30%)



Cyan (31%)

Magenta (31%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 0.553, 290.337 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, 0.553, 290.337 by changing the saturation by 10% instead.

■ 72, 0.553, 290.337

■ 72, 0.553, 290.337

100, 0.553,
290.337

■ 62, 0.553, 290.337

■ 92, 0.553, 290.337

■ 52, 0.553, 290.337

■ 42, 0.553, 290.337

■ 32, 0.553, 290.337

■ 22, 0.553, 290.337

■ 12, 0.553, 290.337

■ 2, 0.553, 290.337

■ 0, 0.553, 290.337

■ 72, 0.553, 290.337

■ 72, 0.553, 290.337

66, 10.366,
291.147

78, 8.890, 109.225

60, 20.583,
292.360

84, 17.987,
108.481

54, 31.236,
293.788

90, 26.763,
107.842

48, 42.344,
295.454

96, 35.241,
107.291

42, 53.893,
297.365

98, 38.935,
107.207

36, 65.755,
299.481

30, 77.544,
301.684

26, 88.370,
303.739

23, 96.737,

Harmonies

Complementary

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



72, 0.553, 290.337



72, 0.533, 109.891

Rectangle

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



72, 0.553, 290.337



72, 0.553, 340.337



72, 0.553, 110.337



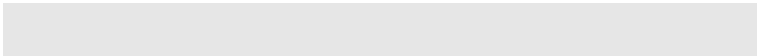
72, 0.553, 160.337

Sweetspot

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



72, 0.551, 290.218



91, 0.011, 296.813



72, 0.372, 199.335



48, 0.006, 296.813



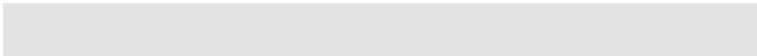
96, 0.011, 296.813

Same Dimension

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



72, 0.551, 290.218



90, 1.197, 290.213



72, 0.584, 308.333



38, 0.553, 290.211



17, 91.234, 306.240



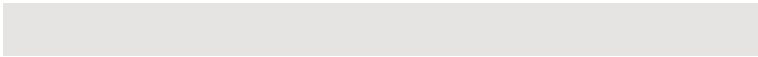
1, 13.285, 290.084

Inverse Universe

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



72, 0.376, 17.845



90, 0.821, 18.468



72, 0.567, 128.641



38, 0.379, 18.396



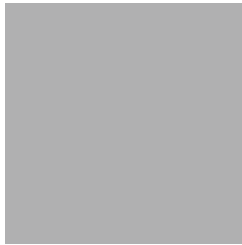
31, 70.814, 39.404



2, 9.156, 19.207

Previews

White Background



This preview shows how the CIELCh color 72, 0.553, 290.337 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, 0.553, 290.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

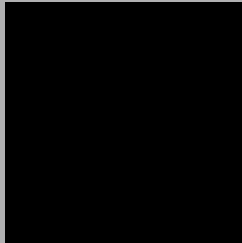
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

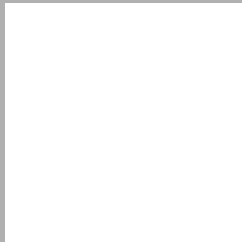
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 0.553, 290.337

Background



This preview shows how black text looks on a background with the CIELCh color 72, 0.553, 290.337.

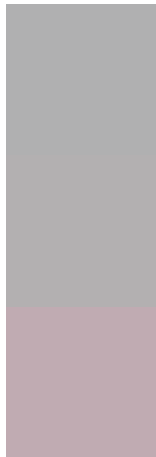


This preview shows how white text looks on a background with the CIELCh color 72, 0.553, 290.337.

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, 0.553, 290.337

Protanopia

72, 1.259, 353.501

Deuteranopia

72, 8.828, 354.674



Tritanopia
72, 7.187, 299.625

Trichromacy



Original Color

72, 0.553, 290.337

Protanomaly

72, 0.936, 343.344

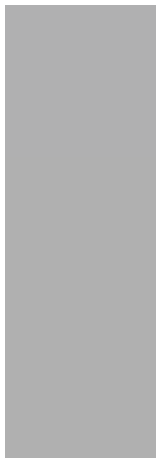
Deuteranomaly

72, 5.621, 350.922

Tritanomaly

72, 4.381, 295.427

Monochromacy



Original Color

72, 0.553, 290.337

Achromatopsia

72, 0.009, 296.813

Achromatomaly

72, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 0.553, 290.337 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(176, 176, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 177)  
}
```

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(176, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 0.553, 290.337 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(176, 176, 177) }
```

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

```
.border{ border-color:rgb(176, 176, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 176, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 0.553, 290.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 177) }
```

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

```
.background{ background-color: rgb(176,  
176, 177) }
```

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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