

Converting Colors

CIELCh(72, 0.593, 226.770)

Have a look what the booklet for
CIELCh(72, 0.593, 226.770) contains.

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Color

CIELCh(72, 0.744, 200.020)

Conversions

Conversions Part 1

Format	Color
Hex	AFB1B1
RGB	175, 177, 177
RGB Percent	69%, 69%, 69%
CMY	0.3142, 0.3064, 0.3064
CMYK	0.01, 0.00, 0.00, 0.31
HSL	180°, 1%, 69%
HSV	180°, 1%, 69%
XYZ	41.2676, 43.6590, 47.7771
YIQ	176.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
RYB	175, 176, 177
Decimal	11514289
CIELab	72.00, -0.70, -0.25
CIELCh	72, 0.744, 200.020
Yxy	43.6590, 0.3110, 0.3290
Android (android.graphics.Color)	4289704369 (0xFFAFB1B1)
YUV	176.4020, 0.2948, -1.2296
Hunter-Lab	66.0750, -4.1478, 3.3815

Details

The CIELCh color $72, 0.744, 200.020$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 0.752, 18.681$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 1.060, 199.917$, and $52, 0.397, 200.341$ is the 20% darker color. If you saturate the color by 10%, you get $71, 7.168, 198.750$, and if you desaturate by 10%, it is $73, 5.957, 19.702$.

Distribution



Red (69%)

Green (69%)

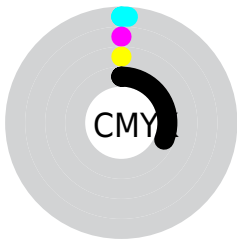
Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 0.744, 200.020 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, 0.744, 200.020 by changing the saturation by 10% instead.

■ 72, 0.744, 200.020

■ 72, 0.744, 200.020

■ 100, 0.744,
200.020

■ 62, 0.744, 200.020

■ 92, 0.744, 200.020

■ 52, 0.744, 200.020

■ 42, 0.744, 200.020

■ 32, 0.744, 200.020

■ 22, 0.744, 200.020

■ 12, 0.744, 200.020

■ 2, 0.744, 200.020

■ 0, 0.744, 200.020

■ 72, 0.744, 200.020

■ 72, 0.744, 200.020

71, 7.168, 198.750

73, 5.957, 19.702

70, 13.218,
198.219

75, 12.854, 20.338

69, 18.791,
197.753

77, 19.877, 20.959

68, 23.785,
197.345

79, 26.969, 21.583

67, 28.103,
196.996

80, 30.742, 21.903

66, 31.666,
196.710

80, 30.740, 21.877

66, 34.425,
196.486

80, 30.738, 21.852

66, 36.371,
196.324

80, 30.736, 21.826

65, 37.549,
196.218

80, 30.734, 21.800

Harmonies

Complementary

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



72, 0.744, 200.020



72, 0.752, 18.681

Rectangle

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



72, 0.744, 200.020



72, 0.744, 250.020



72, 0.744, 20.020



72, 0.744, 70.020

Sweetspot

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



72, 0.745, 199.894



91, 0.011, 296.813



72, 1.315, 144.115



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, 0.745, 199.894



91, 0.814, 199.976



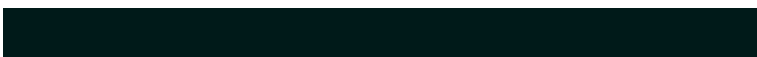
72, 0.654, 254.254



38, 0.376, 200.049



57, 34.262, 196.160



7, 9.139, 198.921

Inverse Universe

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



72, 0.752, 18.681



90, 0.821, 18.599



72, 0.644, 72.921



38, 0.379, 18.527



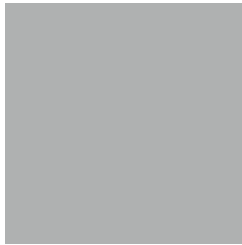
31, 70.874, 39.467



2, 9.156, 19.308

Previews

White Background



This preview shows how the CIELCh color 72, 0.744, 200.020 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, 0.744, 200.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

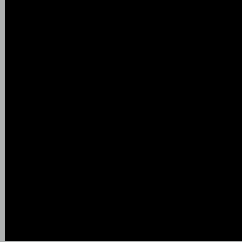
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

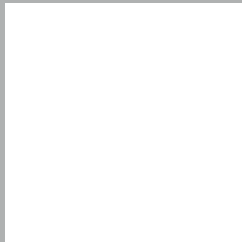
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 0.744, 200.020

Background



This preview shows how black text looks on a background with the CIELCh color 72, 0.744, 200.020.

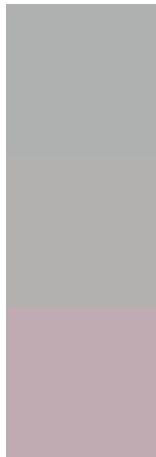


This preview shows how white text looks on a background with the CIELCh color 72, 0.744, 200.020.

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, 0.744, 200.020

Protanopia

72, 1.127, 19.055

Deuteranopia

72, 9.175, 355.748



Tritanopia
72, 7.678, 296.355

Trichromacy



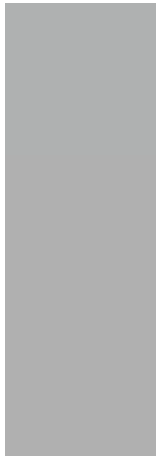
Original Color
72, 0.744, 200.020

Protanomaly
72, 0.376, 18.101

Deuteranomaly
72, 5.621, 350.922

Tritanomaly
72, 4.905, 290.667

Monochromacy



Original Color
72, 0.744, 200.020

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, 0.744, 200.020 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(175, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 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(175, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 0.744, 200.020 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(175, 177, 177) }
```

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

```
.border{ border-color:rgb(175, 177, 177) }
```

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

Here you see how a box with a 4 pixel rgb(175, 177, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 0.744, 200.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 177) }
```

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

```
.background{ background-color: rgb(175,  
177, 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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