

Converting Colors

CIELCh(72, 7.812, 101.264)

Have a look what the booklet for
CIELCh(72, 7.812, 101.264) contains.

CIELCh(72, 7.666, 100.728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 7.666, 100.728)

Conversions

Conversions Part 1

Format	Color
Hex	B4B1A3
RGB	180, 177, 163
RGB Percent	71%, 69%, 64%
CMY	0.2951, 0.3068, 0.3617
CMYK	0.00, 0.02, 0.09, 0.30
HSL	49°, 10%, 67%
HSV	49°, 9%, 70%
XYZ	41.0300, 43.6590, 40.8032
YIQ	176.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

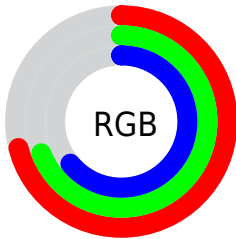
Format	Color
RYB	167, 180, 163
Decimal	11841955
CIELab	72.00, -1.43, 7.53
CIELCh	72, 7.666, 100.728
Yxy	43.6590, 0.3270, 0.3479
Android (android.graphics.Color)	4290032035 (0xFFB4B1A3)
YUV	176.3010, -6.5574, 3.2440
Hunter-Lab	66.0750, -4.7896, 9.6392

Details

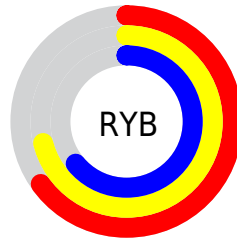
The CIELCh color **72, 7.666, 100.728** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 7.768, 282.906**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 7.790, 101.472**, and **52, 7.611, 99.770** is the 20% darker color. If you saturate the color by 10%, you get **71, 15.827, 99.620**, and if you desaturate by 10%, it is **73, 0.450, 282.149**.

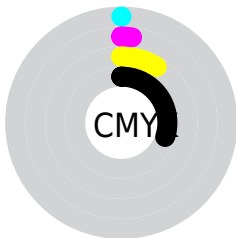
Distribution



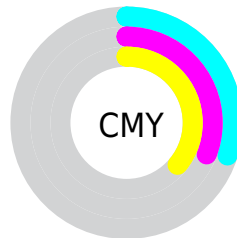
- Red (71%)
- Green (69%)
- Blue (64%)



- Red (65%)
- Yellow (71%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (30%)



- Cyan (30%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 7.666, 100.728 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, 7.666, 100.728 by changing the saturation by 10% instead.

■ 72, 7.666, 100.728

■ 72, 7.666, 100.728

■ 100, 7.666,
100.728

■ 62, 7.666, 100.728

■ 92, 7.666, 100.728

■ 52, 7.666, 100.728

■ 42, 7.666, 100.728

■ 32, 7.666, 100.728

■ 22, 7.666, 100.728

■ 12, 7.666, 100.728

■ 2, 7.666, 100.728

■ 0, 7.666, 100.728

■ 72, 7.666, 100.728

■ 72, 7.666, 100.728

71, 15.827, 99.620

73, 0.450, 282.149

70, 23.991, 98.467

75, 8.506, 282.925

68, 32.095, 97.294

76, 16.490,
283.931

67, 40.024, 96.109

77, 24.397,
284.896

66, 47.585, 94.921

65, 54.465, 93.732

79, 32.226,
285.815

64, 60.198, 92.535

80, 31.818,
283.873

63, 64.206, 91.302

62, 66.374, 90.007

81, 30.229,
281.281

81, 28.706,
278.424

82, 27.261,
275.274

Harmonies

Complementary

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



72, 7.666, 100.728



68, 7.768, 282.906

Rectangle

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



72, 7.666, 100.728



72, 7.666, 150.728



72, 7.666, 280.728



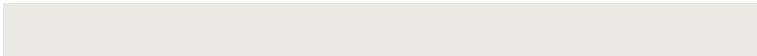
72, 7.666, 330.728

Sweetspot

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



72, 7.667, 100.740



92, 3.007, 101.409



68, 6.753, 5.326



49, 2.280, 101.333



96, 0.011, 296.813



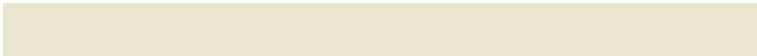
49, 0.007, 296.813

Same Dimension

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



72, 7.667, 100.740



91, 11.085, 100.549



72, 9.442, 121.915



37, 4.567, 100.755



54, 59.099, 90.122



7, 10.198, 97.127

Inverse Universe

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



68, 7.768, 282.906



86, 11.249, 283.122



68, 9.616, 302.960



35, 4.626, 282.889



20, 80.940, 302.816



2, 11.555, 283.988

Previews

White Background



This preview shows how the CIELCh color 72, 7.666, 100.728 looks on a white background.

Color Contrast Check

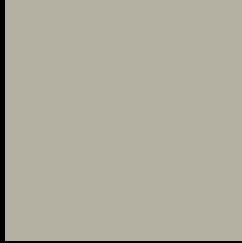
Large Text (above 18pt) WCAG AA × Fail

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 72, 7.666, 100.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

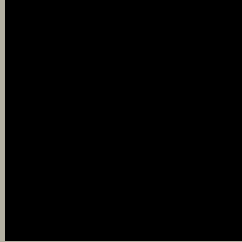
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

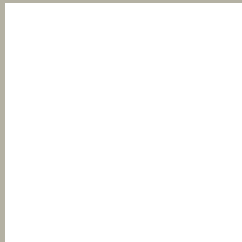
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 7.666, 100.728

Background



This preview shows how black text looks on a background with the CIELCh color 72, 7.666, 100.728.



This preview shows how white text looks on a background with the CIELCh color 72, 7.666, 100.728.

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, 7.666, 100.728

Protanopia

72, 8.050, 89.685

Deuteranopia

72, 11.461, 36.673



Tritanopia
72, 8.516, 316.474

Trichromacy



Original Color
72, 7.666, 100.728

Protanomaly
72, 7.928, 92.346

Deuteranomaly
72, 8.586, 50.170

Tritanomaly
72, 3.729, 343.905

Monochromacy



Original Color
72, 7.666, 100.728

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 2.732, 101.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 7.666, 100.728 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, 177, 163)` looks like.

```
.text, #text, p{  
    color:rgb(180, 177, 163)  
}
```

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, 177, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 177, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 7.666, 100.728 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, 177, 163) }
```

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

```
.border{ border-color:rgb(180, 177, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 177, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 177, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 177, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 177,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 7.666, 100.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 177, 163) }
```

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

```
.background{ background-color: rgb(180,  
177, 163) }
```

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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