

Converting Colors

CIELCh(72, 23.337, 88.769)

Have a look what the booklet for
CIELCh(72, 23.337, 88.769) contains.

| | |
|--|----|
| CIELCh(72, 23.413, 89.463) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(72, 23.413, 89.463)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C1AF86 |
| RGB | 193, 175, 134 |
| RGB Percent | 76%, 69%, 53% |
| CMY | 0.2436, 0.3141, 0.4749 |
| CMYK | 0.00, 0.09, 0.31, 0.24 |
| HSL | 42°, 32%, 64% |
| HSV | 42°, 31%, 76% |
| XYZ | 41.5687, 43.6590, 28.7524 |
| YIQ | 175.7080, 23.8890, -8.9350 |

Conversions

Conversions Part 2

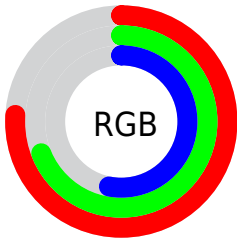
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 160, 193, 134 |
| Decimal | 12693382 |
| CIELab | 72.00, 0.22, 23.41 |
| CIElCh | 72, 23.413, 89.463 |
| Yxy | 43.6590, 0.3647, 0.3830 |
| Android (android.graphics.Color) | 4290883462 (0xFFC1AF86) |
| YUV | 175.7080, -20.5620, 15.1651 |
| Hunter-Lab | 66.0750, -3.3345, 20.4526 |

Details

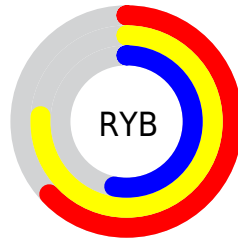
The CIELCh color $72, 23.413, 89.463$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $63, 23.502, 277.962$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 23.456, 89.146$, and $52, 23.585, 89.496$ is the 20% darker color. If you saturate the color by 10%, you get $70, 31.271, 88.133$, and if you desaturate by 10%, it is $74, 15.630, 90.765$.

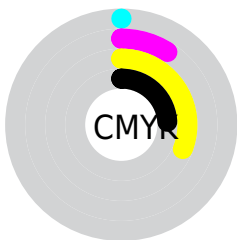
Distribution



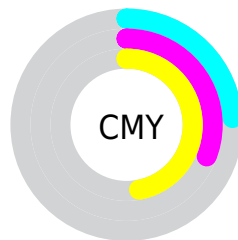
- Red (76%)
- Green (69%)
- Blue (53%)



- Red (63%)
- Yellow (76%)
- Blue (53%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (24%)



- Cyan (24%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 23.413, 89.463 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, 23.413, 89.463 by changing the saturation by 10% instead.

■ 72, 23.413, 89.463

■ 72, 23.413, 89.463

■ 100, 23.413,
89.463

■ 62, 23.413, 89.463

■ 92, 23.413, 89.463

■ 52, 23.413, 89.463

■ 42, 23.413, 89.463

■ 32, 23.413, 89.463

■ 22, 23.413, 89.463

■ 12, 23.413, 89.463

■ 2, 23.413, 89.463

■ 0, 23.413, 89.463

■ 72, 23.413, 89.463

■ 72, 23.413, 89.463

70, 31.271, 88.133

74, 15.630, 90.765

68, 39.112, 86.758

76, 7.962, 92.012

67, 46.769, 85.334

78, 0.426, 92.749

65, 53.937, 83.833

80, 6.973, 274.455

63, 60.110, 82.193

82, 14.239,
275.559

62, 64.580, 80.295

84, 21.380,
276.621

60, 67.087, 78.228

86, 21.533,
271.501

87, 19.396,
262.536

89, 17.827,
251.785

Harmonies

Complementary

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



72, 23.413, 89.463



63, 23.502, 277.962

Rectangle

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



72, 23.413, 89.463



72, 23.413, 139.463



72, 23.413, 269.463



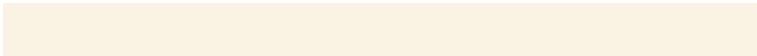
72, 23.413, 319.463

Sweetspot

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



72, 23.414, 89.469



96, 8.343, 92.186



62, 25.365, 358.161



51, 5.805, 92.009



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 23.414, 89.469



89, 35.122, 88.538



76, 31.532, 115.208



40, 4.276, 92.158



51, 58.622, 78.614



8, 12.860, 82.113

Inverse Universe

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



63, 23.502, 277.962



75, 35.335, 279.364



59, 33.787, 299.969



38, 4.288, 274.550



26, 71.542, 297.733



3, 15.434, 281.107

Previews

White Background



This preview shows how the CIELCh color 72, 23.413, 89.463 looks on a white background.

Color Contrast Check

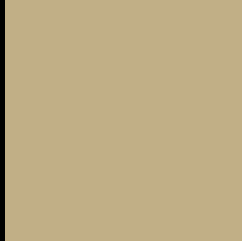
Large Text (above 18pt) WCAG AA × Fail

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, 23.413, 89.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

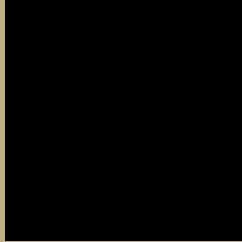
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 23.413, 89.463

Background



This preview shows how black text looks on a background with the CIELCh color 72, 23.413, 89.463.



This preview shows how white text looks on a background with the CIELCh color 72, 23.413, 89.463.

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, 23.413, 89.463

Protanopia

72, 22.791, 94.421

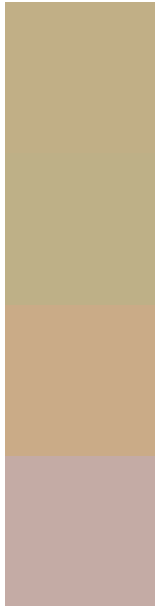
Deuteranopia

72, 24.544, 68.198



Tritanopia
72, 13.643, 346.796

Trichromacy



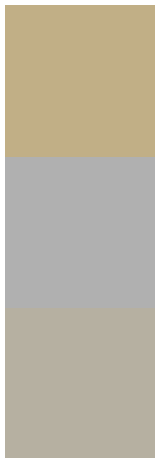
Original Color
72, 23.413, 89.463

Protanomaly
72, 22.895, 93.415

Deuteranomaly
72, 23.539, 75.090

Tritanomaly
72, 10.300, 38.480

Monochromacy



Original Color
72, 23.413, 89.463

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 8.450, 93.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 23.413, 89.463 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(193, 175, 134)` looks like.

```
.text, #text, p{  
    color:rgb(193, 175, 134)  
}
```

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(193, 175, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 175, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 23.413, 89.463 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(193, 175, 134) }
```

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

```
.border{ border-color:rgb(193, 175, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 175, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 175, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 175, 134);  
box-shadow:4px 4px 4px 4px rgb(193, 175,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 23.413, 89.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 175, 134) }
```

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

```
.background{ background-color: rgb(193,  
175, 134) }
```

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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