

Converting Colors

CIELCh(72, 18.245, 90.550)

Have a look what the booklet for
CIELCh(72, 18.245, 90.550) contains.

CIELCh(72, 18.247, 90.337)	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, 18.247, 90.337)

Conversions

Conversions Part 1

Format	Color
Hex	BDAF8F
RGB	189, 175, 143
RGB Percent	74%, 69%, 56%
CMY	0.2574, 0.3123, 0.4378
CMYK	0.00, 0.07, 0.24, 0.26
HSL	42°, 26%, 65%
HSV	42°, 24%, 74%
XYZ	41.4614, 43.6590, 32.3664
YIQ	175.5380, 18.6160, -6.9840

Conversions

Conversions Part 2

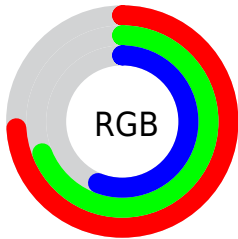
Format	Color
RYB	163, 189, 143
Decimal	12431247
CIELab	72.00, -0.11, 18.25
CIELCh	72, 18.247, 90.337
Yxy	43.6590, 0.3529, 0.3716
Android (android.graphics.Color)	4290621327 (0xFFBDAF8F)
YUV	175.5380, -16.0412, 11.8062
Hunter-Lab	66.0750, -3.6243, 17.2097

Details

The CIELCh color $72, 18.247, 90.337$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $65, 18.299, 276.872$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 18.055, 89.121$, and $52, 18.105, 90.984$ is the 20% darker color. If you saturate the color by 10%, you get $70, 25.953, 89.035$, and if you desaturate by 10%, it is $74, 10.645, 91.609$.

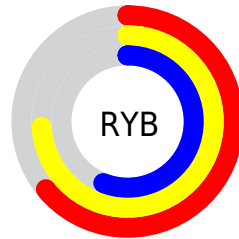
Distribution



Red (74%)

Green (69%)

Blue (56%)



Red (64%)

Yellow (74%)

Blue (56%)

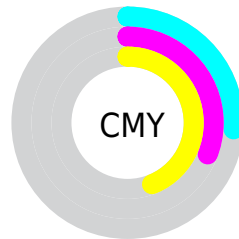


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 18.247, 90.337 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, 18.247, 90.337 by changing the saturation by 10% instead.

■ 72, 18.247, 90.337

■ 72, 18.247, 90.337

■ 100, 18.247,
90.337

■ 62, 18.247, 90.337

■ 92, 18.247, 90.337

■ 52, 18.247, 90.337

■ 42, 18.247, 90.337

■ 32, 18.247, 90.337

■ 22, 18.247, 90.337

■ 12, 18.247, 90.337

■ 2, 18.247, 90.337

■ 0, 18.247, 90.337

■ 72, 18.247, 90.337

■ 72, 18.247, 90.337

70, 25.953, 89.035

74, 10.645, 91.609

68, 33.703, 87.688

76, 3.167, 92.793

67, 41.388, 86.299

78, 4.177, 274.096

65, 48.799, 84.854

80, 11.390,
275.200

63, 55.573, 83.316

82, 18.476,
276.278

62, 61.130, 81.603

60, 64.751, 79.579

84, 24.454,
276.531

59, 66.182, 78.328

86, 22.044,
269.302

87, 20.056,
260.562

89, 18.614,
250.287

Harmonies

Complementary

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



72, 18.247, 90.337



65, 18.299, 276.872

Rectangle

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



72, 18.247, 90.337



72, 18.247, 140.337



72, 18.247, 270.337



72, 18.247, 320.337

Sweetspot

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



72, 18.248, 90.344



96, 6.426, 92.478



64, 19.683, 357.330



51, 4.212, 92.406



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, 18.248, 90.344



90, 27.164, 89.672



75, 24.774, 115.651



39, 4.186, 92.213



50, 57.946, 78.713



8, 11.379, 82.618

Inverse Universe

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



65, 18.299, 276.872



80, 27.265, 277.796



62, 26.128, 299.333



37, 4.197, 274.596



26, 70.682, 297.721



3, 13.781, 280.098

Previews

White Background



This preview shows how the CIELCh color 72, 18.247, 90.337 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 CIELCh color 72, 18.247, 90.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

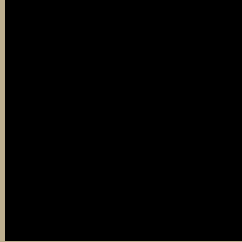
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

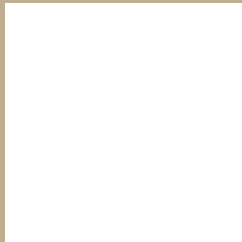
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 18.247, 90.337

Background



This preview shows how black text looks on a background with the CIELCh color 72, 18.247, 90.337.



This preview shows how white text looks on a background with the CIELCh color 72, 18.247, 90.337.

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, 18.247, 90.337

Protanopia

72, 17.878, 94.074

Deuteranopia

72, 20.270, 63.808



Tritanopia
72, 11.475, 342.439

Trichromacy



Original Color
72, 18.247, 90.337

Protanomaly
72, 17.985, 92.819

Deuteranomaly
72, 18.855, 72.946

Tritanomaly
72, 7.885, 31.855

Monochromacy



Original Color
72, 18.247, 90.337

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 6.776, 92.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 18.247, 90.337 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(189, 175, 143)` looks like.

```
.text, #text, p{  
    color:rgb(189, 175, 143)  
}
```

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(189, 175, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 175, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 18.247, 90.337 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(189, 175, 143) }
```

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

```
.border{ border-color:rgb(189, 175, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 175, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 175, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 175, 143);  
box-shadow:4px 4px 4px 4px rgb(189, 175,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 18.247, 90.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 175, 143) }
```

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

```
.background{ background-color: rgb(189,  
175, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor