Converting Colors

CIELCh(83, 12.510, 142.013)

Have a look what the booklet for CIELCh(83, 12.510, 142.013) contains.

Color

CIELCh(83, 12.707, 142.601)

Conversions

Conversions Part 1

Format	Color
Hex	C1D4C0
RGB	193, 212, 192
RGB Percent	76%, 83%, 75%
CMY	0.2435, 0.1690, 0.2474
CMYK	0.09, 0.00, 0.09, 0.17
HSL	117°, 19%, 79%
HSV	117°, 9%, 83%
XYZ	54.9893, 62.1629, 58.9126
YIQ	204.0390, -4.9040, -10.2480

Conversions

Conversions Part 2

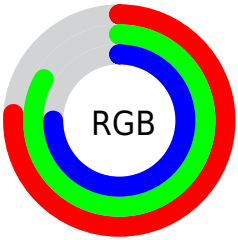
Format	Color
RYB	192, 212, 211
Decimal	12702912
CIELab	83.00, -10.09, 7.72
CIELCh	83, 12.707, 142.601
Yxy	62.1629, 0.3123, 0.3531
Android (android.graphics.Color)	4290892992 (0xFFC1D4C0)
YUV	204.0390, -5.9352, -9.6812
Hunter-Lab	78.8435, -13.4815, 10.8884

Details

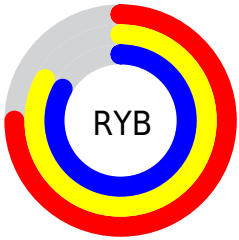
The CIELCh color 83, 12.707, 142.601 is a light color, and the websafe version is hex CCCCCC. A complement of this color would be 80, 12.739, 323.566, and the grayscale version is 82, 0.010, 296.813.

A 20% lighter version of the original color is 99, 3.973, 136.125, and 63, 12.306, 143.789 is the 20% darker color. If you saturate the color by 10%, you get 81, 26.294, 141.949, and if you desaturate by 10%, it is 85, 0.760, 322.790.

Distribution

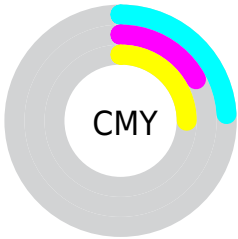


- Red (76%)
- Green (83%)
- Blue (75%)



- Red (75%)
- Yellow (83%)
- Blue (83%)

- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)



- Cyan (24%)
- Magenta (17%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 12.707, 142.601 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 83, 12.707, 142.601 by changing the saturation by 10% instead.

83, 12.707, 142.601

100, 12.707, 142.601

83, 12.707, 142.601

73, 12.707, 142.601

63, 12.707, 142.601

53, 12.707, 142.601

43, 12.707, 142.601

33, 12.707, 142.601

23, 12.707, 142.601

13, 12.707,

142.601

3, 12.707, 142.601

0, 12.707, 142.601

83, 12.707, 142.601

81, 26.294, 141.949

80, 39.820, 141.201

78, 53.049, 140.349

77, 65.668, 139.407

76, 77.276,

83, 12.707, 142.601

85, 0.760, 322.790

87, 13.989, 323.575

89, 26.694, 324.264

90, 27.008, 325.365

138.413

75, 87.382, 137.445

75, 95.425, 136.626

74, 100.896, 136.095

74, 103.789, 135.860

Harmonies

Complementary

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

83, 12.707, 142.601

80, 12.739, 323.566

Rectangle

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

83, 12.707, 142.601

83, 12.707, 192.601

83, 12.707, 322.601

83, 12.707, 12.601

Sweetspot

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

83, 12.709, 142.602

99, 4.666, 143.006

84, 9.971, 107.154

53, 3.541, 142.949

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

83, 12.709, 142.602

97, 17.230, 142.498

83, 9.336, 160.339

44, 7.709, 142.602

61, 88.447, 135.788

14, 31.679, 140.122

Inverse Universe

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

80, 12.739, 323.566

93, 17.270, 323.655

80, 9.432, 341.760

42, 7.727, 323.565

39, 85.829, 326.284

6, 32.648, 326.280

Previews

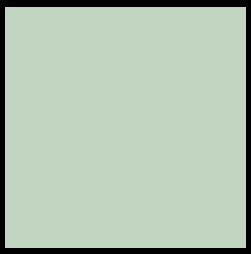
White Background

This preview shows how the CIELCh color 83, 12.707, 142.601 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



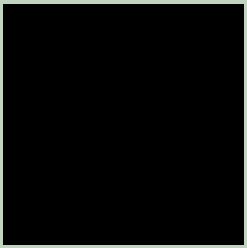
This preview shows how the CIELCh color 83, 12.707, 142.601 looks on a black background.

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 83, 12.707, 142.601 Background



This preview shows how black text looks on a background with the CIELCh color 83, 12.707, 142.601.

This preview shows how white text looks on a background with the CIELCh color 83, 12.707, 142.601.

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
83, 12.707, 142.601

Protanopia
83, 9.433, 90.706

Deuteranopia
83, 12.424, 32.441

Tritanopia
83, 9.453, 271.670

Trichromacy

Original Color
83, 12.707, 142.601

Protanomaly
83, 9.506, 113.857

Deuteranomaly
83, 7.568, 69.441

Tritanomaly
83, 4.851, 218.314

Monochromacy

Original Color
83, 12.707, 142.601

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.515, 144.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 12.707, 142.601 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, 212, 192) looks like.

```
.text, #text, p{
    color:rgb(193, 212, 192)
}
```

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, 212, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 212, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 12.707, 142.601 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, 212, 192) }
```

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

```
.border{ border-color:rgb(193, 212, 192) }
```

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

Here you see how a box with a 4 pixel rgb(193, 212, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 212, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 212, 192); box-shadow:4px 4px 4px 4px rgb(193, 212, 192) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 12.707, 142.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(193, 212, 192) }
```

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

```
.background{ background-color:rgb(193,
212, 192) }
```

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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