Converting Colors

CIELCh(70, 1.283, 83.421)

Have a look what the booklet for CIELCh(70, 1.283, 83.421) contains.

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Color

CIELCh(70, 1.145, 90.727)

Conversions

Format	Color
Hex	ACABA9
RGB	172, 171, 169
RGB Percent	67%, 67%, 66%
CMY	0.3256, 0.3295, 0.3373
CMYK	0.00, 0.01, 0.02, 0.33
HSL	40°, 2%, 67%
HSV	40°, 2%, 67%
XYZ	38.7265, 40.7494, 43.3493
YIQ	171.0710, 1.2380, -0.4100

Conversions Part 1

Conversions

Conversions Part 2

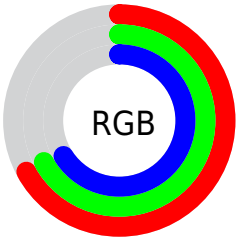
Format	Color
RYB	171, 172, 169
Decimal	11316137
CIELab	70.00, -0.01, 1.14
CIELCh	70, 1.145, 90.727
Yxy	40.7494, 0.3153, 0.3318
Android (android.graphics.Color)	4289506217 (0xFFACABA9)
YUV	171.0710, -1.0210, 0.8147
Hunter-Lab	63.8353, -3.4222, 4.4220

Details

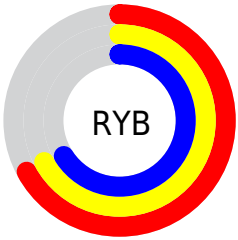
The CIELCh color 70, 1.145, 90.727 is a light color, and the websafe version is hex 999999. A complement of this color would be 70, 1.161, 271.601, and the grayscale version is 70, 0.009, 296.813.

A 20% lighter version of the original color is 90, 1.084, 90.719, and 50, 1.225, 90.698 is the 20% darker color. If you saturate the color by 10%, you get 68, 7.842, 89.740, and if you desaturate by 10%, it is 72, 5.411, 272.220.

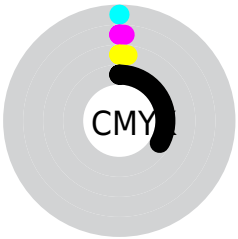
Distribution



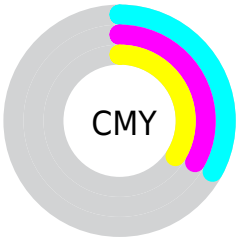
- Red (67%)
- Green (67%)
- Blue (66%)



- Red (67%)
- Yellow (67%)
- Blue (66%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 1.145, 90.727 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 70, 1.145, 90.727 by changing the saturation by 10% instead.

70, 1.145, 90.727

100, 1.145, 90.727

90, 1.145, 90.727

70, 1.145, 90.727

60, 1.145, 90.727

50, 1.145, 90.727

40, 1.145, 90.727

30, 1.145, 90.727

20, 1.145, 90.727

10, 1.145, 90.727

0, 1.145, 90.727

70, 1.145, 90.727

68, 7.842, 89.740

70, 1.145, 90.727

72, 5.411, 272.220

66, 14.677, 88.480

64, 21.637, 87.173

62, 28.690, 85.825

61, 35.760, 84.435

59, 42.699, 82.990

57, 49.235, 81.457

56, 54.911, 79.759

54, 59.074, 77.759

74, 11.835, 273.331

76, 18.134, 274.407

78, 24.319, 275.435

80, 30.397, 276.411

82, 27.943, 270.682

83, 25.798, 263.979

85, 24.054, 256.263

86, 22.793, 247.602

Harmonies

Complementary

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

70, 1.145, 90.727

70, 1.161, 271.601

Rectangle

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

70, 1.145, 90.727

70, 1.145, 140.727

70, 1.145, 270.727

70, 1.145, 320.727

Sweetspot

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

70, 1.146, 90.810

89, 0.811, 90.761

69, 1.268, 353.520

47, 0.460, 90.749

95, 0.011, 296.813

47, 0.006, 296.813

Same Dimension

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

70, 1.146, 90.810

89, 1.633, 90.801

70, 1.643, 116.583

37, 0.749, 90.807

47, 55.702, 76.236

5, 7.274, 83.019

Inverse Universe

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

70, 1.161, 271.601

88, 1.651, 271.611

69, 1.666, 296.829

36, 0.758, 271.604

25, 64.985, 296.059

2, 8.510, 275.792

Previews

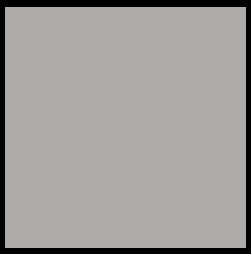
White Background

This preview shows how the CIELCh color 70, 1.145, 90.727 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



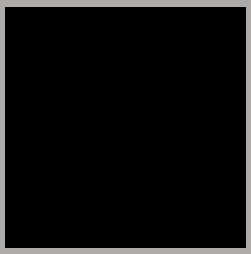
This preview shows how the CIELCh color 70, 1.145, 90.727 looks on a black background.

Color Contrast Check

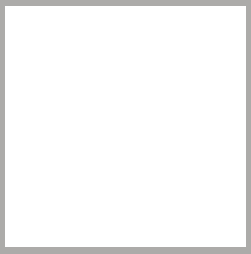
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 70, 1.145, 90.727 Background



This preview shows how black text looks on a background with the CIELCh color 70, 1.145, 90.727.

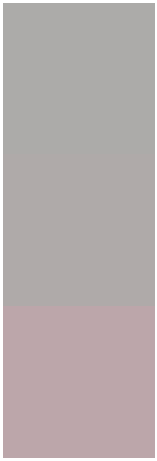


This preview shows how white text looks on a background with the CIELCh color 70, 1.145, 90.727.

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



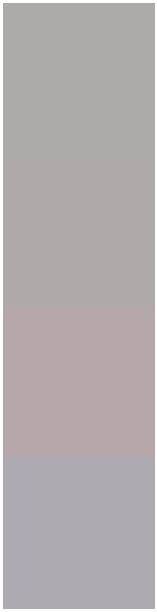
Original Color
70, 1.145, 90.727

Protanopia
70, 1.968, 35.414

Deuteranopia
70, 8.719, 5.685

Tritanopia
70, 7.388, 305.291

Trichromacy



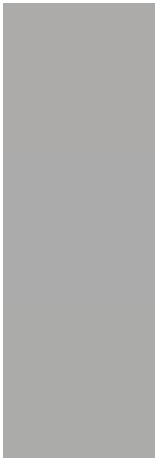
Original Color
70, 1.145, 90.727

Protanomaly
70, 1.604, 39.114

Deuteranomaly
70, 5.458, 8.282

Tritanomaly
70, 4.013, 306.698

Monochromacy



Original Color
70, 1.145, 90.727

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.538, 110.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 1.145, 90.727 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(172, 171, 169) looks like.

```
.text, #text, p{
    color:rgb(172, 171, 169)
}
```

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(172, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 1.145, 90.727 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(172, 171, 169) }
```

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

```
.border{ border-color:rgb(172, 171, 169) }
```

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

Here you see how a box with a 4 pixel rgb(172, 171, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 171, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 171, 169); box-shadow:4px 4px 4px 4px rgb(172, 171, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 1.145, 90.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(172, 171, 169) }
```

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

```
.background{ background-color:rgb(172,
171, 169) }
```

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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