Converting Colors

CIELCh(70, 22.964, 119.937)

Have a look what the booklet for CIELCh(70, 22.964, 119.937) contains.

Color

CIELCh(70, 22.726, 120.181)

Conversions

Conversions Part 1

Format	Color
Hex	A4B087
RGB	164, 176, 135
RGB Percent	64%, 69%, 53%
CMY	0.3564, 0.3094, 0.4702
CMYK	0.07, 0.00, 0.23, 0.31
HSL	78°, 21%, 61%
HSV	78°, 23%, 69%
XYZ	35.2591, 40.7494, 28.9669
YIQ	167.7380, 6.0090, -15.2950

Conversions

Conversions Part 2

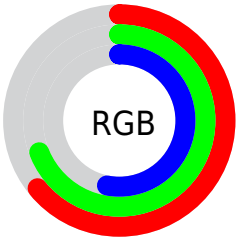
Format	Color
RYB	135, 176, 147
Decimal	10793095
CIELab	70.00, -11.43, 19.65
CIELCh	70, 22.726, 120.181
Yxy	40.7494, 0.3359, 0.3882
Android (android.graphics.Color)	4288983175 (0xFFA4B087)
YUV	167.7380, -16.1398, -3.2782
Hunter-Lab	63.8353, -13.1181, 17.7803

Details

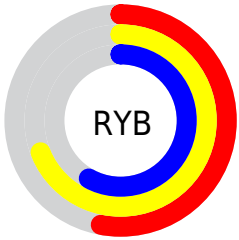
The CIELCh color 70, 22.726, 120.181 is a light color, and the websafe version is hex 999966. A complement of this color would be 59, 23.780, 303.044, and the grayscale version is 69, 0.009, 296.813.

A 20% lighter version of the original color is 90, 23.200, 120.525, and 50, 23.026, 120.363 is the 20% darker color. If you saturate the color by 10%, you get 69, 32.320, 119.600, and if you desaturate by 10%, it is 71, 12.997, 120.773.

Distribution

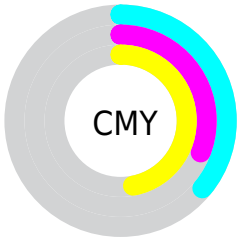


- Red (64%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (58%)

- Cyan (7%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)



- Cyan (36%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 22.726, 120.181 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, 22.726, 120.181 by changing the saturation by 10% instead.

70, 22.726, 120.181

100, 22.726, 120.181

90, 22.726, 120.181

70, 22.726, 120.181

60, 22.726, 120.181

50, 22.726, 120.181

40, 22.726, 120.181

30, 22.726, 120.181

20, 22.726, 120.181

10, 22.726, 120.181

0, 22.726, 120.181

70, 22.726, 120.181

69, 32.320, 119.600

69, 41.655, 119.048

68, 50.556, 118.569

68, 58.763, 118.222

67, 65.918, 118.094

67, 71.593, 118.287

66, 75.423, 118.901

66, 77.240, 120.181

71, 12.997, 120.773

72, 3.209, 121.357

72, 6.581, 301.889

73, 16.333, 302.415

74, 26.018, 302.905

75, 35.615, 303.360

76, 43.344, 304.122

77, 43.639, 306.303

119.476

77, 43.993, 308.479

Harmonies

Complementary

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

70, 22.726, 120.181

59, 23.780, 303.044

Rectangle

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

70, 22.726, 120.181

70, 22.726, 170.181

70, 22.726, 300.181

70, 22.726, 350.181

Sweetspot

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

70, 22.728, 120.184

90, 8.493, 121.132

63, 13.751, 48.237

48, 5.513, 121.099

96, 0.011, 296.813

48, 0.006, 296.813

Same Dimension

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

70, 22.728, 120.184

88, 33.817, 119.878

69, 25.709, 137.173

37, 5.603, 121.004

58, 69.566, 119.319

8, 13.843, 125.316

Inverse Universe

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

59, 23.780, 303.044

71, 35.783, 303.446

61, 26.013, 319.316

35, 5.707, 302.078

19, 88.642, 308.365

1, 13.504, 298.993

Previews

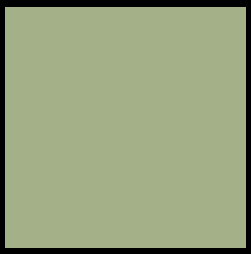
White Background

This preview shows how the CIELCh color 70, 22.726, 120.181 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



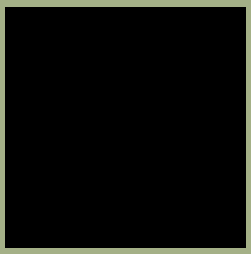
This preview shows how the CIELCh color 70, 22.726, 120.181 looks on a black background.

Color Contrast Check

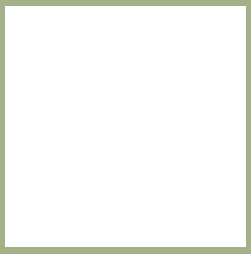
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 22.726, 120.181 Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.726, 120.181.



This preview shows how white text looks on a background with the CIELCh color 70, 22.726, 120.181.

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

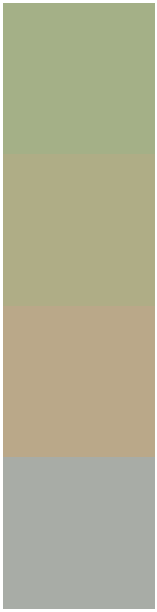
Original Color
70, 22.726, 120.181

Protanopia
70, 21.139, 95.725

Deuteranopia
70, 20.435, 63.720

Tritanopia
70, 7.141, 293.826

Trichromacy



Original Color
70, 22.726, 120.181

Protanomaly
70, 21.157, 105.824

Deuteranomaly
70, 18.483, 84.923

Tritanomaly
70, 3.622, 134.571

Monochromacy

Original Color
70, 22.726, 120.181

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 8.348, 120.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 22.726, 120.181 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(164, 176, 135) looks like.

```
.text, #text, p{
    color:rgb(164, 176, 135)
}
```

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(164, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 22.726, 120.181 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(164, 176, 135) }
```

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

```
.border{ border-color:rgb(164, 176, 135) }
```

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

Here you see how a box with a 4 pixel rgb(164, 176, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 176, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 176, 135); box-shadow:4px 4px 4px 4px rgb(164, 176, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 22.726, 120.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(164, 176, 135) }
```

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

```
.background{ background-color:rgb(164,
176, 135) }
```

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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