

Converting Colors

CIELCh(70, 57.766, 99.270)

Have a look what the booklet for
CIELCh(70, 57.766, 99.270) contains.

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Color

CIELCh(70, 57.799, 99.460)

Conversions

Conversions Part 1

Format	Color
Hex	B9AE3D
RGB	185, 174, 61
RGB Percent	73%, 68%, 24%
CMY	0.2759, 0.3189, 0.7621
CMYK	0.00, 0.06, 0.67, 0.28
HSL	55°, 51%, 48%
HSV	55°, 67%, 72%
XYZ	35.8290, 40.7494, 10.3455
YIQ	164.4070, 42.8290, -32.8110

Conversions

Conversions Part 2

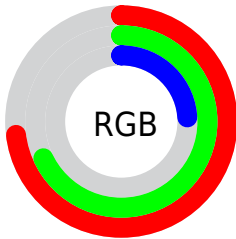
Format	Color
RYB	73, 185, 61
Decimal	12168765
CIELab	70.00, -9.50, 57.01
CIELCh	70, 57.799, 99.460
Yxy	40.7494, 0.4122, 0.4688
Android (android.graphics.Color)	4290358845 (0xFFB9AE3D)
YUV	164.4070, -50.9797, 18.0601
Hunter-Lab	63.8353, -11.5244, 35.0758

Details

The CIELCh color **70, 57.799, 99.460** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **36, 69.201, 298.031**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 57.878, 99.219**, and **50, 56.259, 99.403** is the 20% darker color. If you saturate the color by 10%, you get **69, 64.006, 98.573**, and if you desaturate by 10%, it is **71, 50.373, 100.424**.

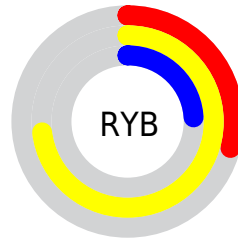
Distribution



Red (73%)

Green (68%)

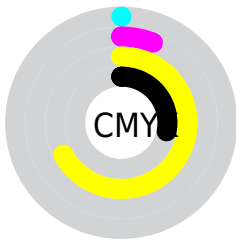
Blue (24%)



Red (29%)

Yellow (73%)

Blue (24%)

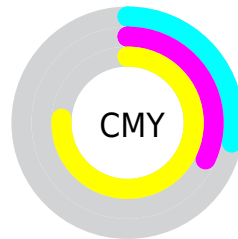


Cyan (0%)

Magenta (6%)

Yellow (67%)

Black (28%)



Cyan (28%)

Magenta (32%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.799, 99.460 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, 57.799, 99.460 by changing the saturation by 10% instead.

 70, 57.799, 99.460

 70, 57.799, 99.460

 100, 57.799,
99.460

 60, 57.799, 99.460

 90, 57.799, 99.460

 50, 57.799, 99.460

 40, 57.799, 99.460

 30, 57.799, 99.460

 20, 57.799, 99.460

 10, 57.799, 99.460

 0, 57.799, 99.460

 70, 57.799, 99.460

 70, 57.799, 99.460

 69, 64.006, 98.573

 71, 50.373,

69, 68.469, 97.770

100.424

68, 70.872, 97.049

71, 42.174,
101.437

68, 71.406, 96.850

72, 33.517,
102.480

73, 24.606,
103.535

74, 15.568,
104.585

74, 6.482, 105.615

75, 2.606, 286.679

76, 11.665,
287.632

77, 20.678,
288.572

Harmonies

Complementary

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



70, 57.799, 99.460



36, 69.201, 298.031

Rectangle

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



70, 57.799, 99.460



70, 57.799, 149.460



70, 57.799, 279.460



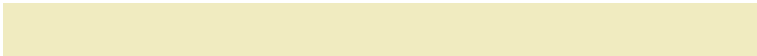
70, 57.799, 329.460

Sweetspot

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



70, 57.799, 99.463



93, 22.448, 104.252



44, 54.727, 22.365



49, 15.299, 103.959



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 57.799, 99.463



88, 80.963, 98.145



69, 65.709, 122.596



38, 5.121, 105.392



58, 62.957, 96.935



9, 13.369, 103.653

Inverse Universe

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



36, 69.201, 298.031



38, 104.621, 301.808



38, 74.905, 309.625



36, 5.213, 287.378



19, 88.156, 304.948



1, 14.379, 287.578

Previews

White Background



This preview shows how the CIELCh color 70, 57.799, 99.460 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 CIE LCh color 70, 57.799, 99.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

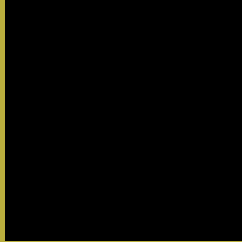
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 57.799, 99.460

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.799, 99.460.



This preview shows how white text looks on a background with the CIELCh color 70, 57.799, 99.460.

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, 57.799, 99.460

Protanopia

70, 57.561, 95.365

Deuteranopia

70, 57.104, 81.301



Tritanopia
70, 14.107, 350.547

Trichromacy



Original Color
70, 57.799, 99.460

Protanomaly
70, 57.738, 96.741

Deuteranomaly
70, 56.580, 87.854

Tritanomaly
69, 20.880, 78.567

Monochromacy



Original Color
70, 57.799, 99.460

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 22.923, 103.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 57.799, 99.460 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(185, 174, 61)` looks like.

```
.text, #text, p{  
    color:rgb(185, 174, 61)  
}
```

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(185, 174, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 174, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.799, 99.460 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(185, 174, 61) }
```

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

```
.border{ border-color:rgb(185, 174, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 174, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 174, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 174, 61);  
box-shadow:4px 4px 4px 4px rgb(185, 174,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.799, 99.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 174, 61) }
```

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

```
.background{ background-color: rgb(185,  
174, 61) }
```

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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