

Converting Colors

CIELCh(70, 52.615, 100.130)

Have a look what the booklet for
CIELCh(70, 52.615, 100.130)
contains.

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Color

CIELCh(70, 52.582, 100.505)

Conversions

Conversions Part 1

Format	Color
Hex	B7AE49
RGB	183, 174, 73
RGB Percent	72%, 68%, 29%
CMY	0.2829, 0.3182, 0.7142
CMYK	0.00, 0.05, 0.60, 0.28
HSL	55°, 43%, 50%
HSV	55°, 60%, 72%
XYZ	35.8031, 40.7494, 12.2593
YIQ	165.1770, 37.7850, -29.5030

Conversions

Conversions Part 2

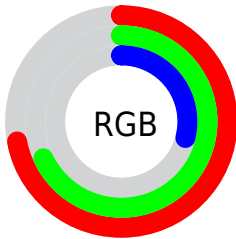
Format	Color
RYB	83, 183, 73
Decimal	12037705
CIELab	70.00, -9.59, 51.70
CIELCh	70, 52.582, 100.505
Yxy	40.7494, 0.4031, 0.4588
Android (android.graphics.Color)	4290227785 (0xFFB7AE49)
YUV	165.1770, -45.4433, 15.6308
Hunter-Lab	63.8353, -11.5968, 33.2983

Details

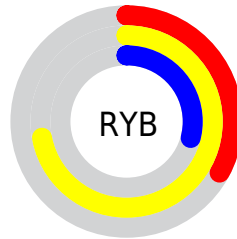
The CIELCh color **70, 52.582, 100.505** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 61.252, 296.573**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 52.661, 100.444**, and **50, 52.695, 100.670** is the 20% darker color. If you saturate the color by 10%, you get **69, 59.660, 99.585**, and if you desaturate by 10%, it is **71, 44.609, 101.492**.

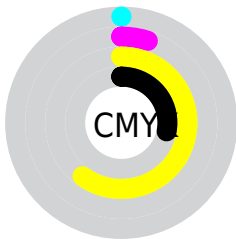
Distribution



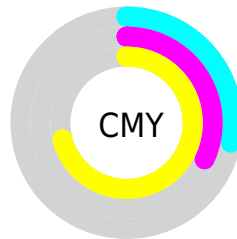
- Red (72%)
- Green (68%)
- Blue (29%)



- Red (33%)
- Yellow (72%)
- Blue (29%)



- Cyan (0%)
- Magenta (5%)
- Yellow (60%)
- Black (28%)





- Cyan (28%)
- Magenta (32%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 52.582, 100.505 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, 52.582, 100.505 by changing the saturation by 10% instead.


 70, 52.582,
100.505


 70, 52.582,
100.505


 100, 52.582,
100.505


 60, 52.582,
100.505


 90, 52.582,
100.505

 50, 52.582,
100.505

 40, 52.582,
100.505

 30, 52.582,
100.505

 20, 52.582,
100.505

 10, 52.582,
100.505

 0, 52.582, 100.505

70, 52.582,
100.505

70, 52.582,
100.505

69, 59.660, 99.585

71, 44.609,
101.492

69, 65.367, 98.746

71, 36.092,
102.516

68, 69.199, 98.004

68, 71.214, 97.350

72, 27.264,
103.558

73, 18.271,
104.603

73, 9.206, 105.635

74, 0.125, 105.924

75, 8.940, 287.655

76, 17.965,
288.600

■ 77, 26.938,
289.509

Harmonies

Complementary

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



70, 52.582, 100.505



39, 61.252, 296.573

Rectangle

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



70, 52.582, 100.505



70, 52.582, 150.505



70, 52.582, 280.505



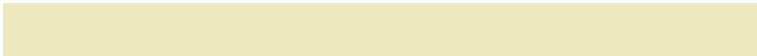
70, 52.582, 330.505

Sweetspot

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



70, 52.583, 100.508



92, 20.170, 104.796



46, 48.664, 21.456



49, 14.123, 104.493



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, 52.583, 100.508



88, 74.812, 99.320



69, 59.701, 123.365



39, 5.157, 105.717



59, 63.239, 97.424



9, 13.500, 104.104

Inverse Universe

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



39, 61.252, 296.573



43, 92.398, 299.786



41, 66.696, 309.674



36, 5.251, 287.691



19, 88.524, 305.066



1, 14.455, 287.800

Previews

White Background



This preview shows how the CIELCh color 70, 52.582, 100.505 looks on a white background.

Color Contrast Check

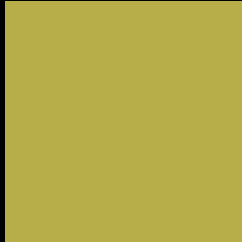
Large Text (above 18pt) WCAG AA × Fail

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, 52.582, 100.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

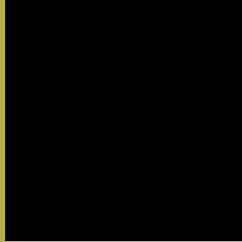
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 52.582, 100.505

Background



This preview shows how black text looks on a background with the CIELCh color 70, 52.582, 100.505.



This preview shows how white text looks on a background with the CIELCh color 70, 52.582, 100.505.

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, 52.582, 100.505

Protanopia
70, 52.360, 95.567

Deuteranopia
70, 51.785, 80.101



Tritanopia
70, 13.112, 347.859

Trichromacy



Original Color
70, 52.582, 100.505

Protanomaly
70, 52.488, 97.549

Deuteranomaly
70, 51.089, 87.778

Tritanomaly
70, 18.282, 78.987

Monochromacy



Original Color
70, 52.582, 100.505

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 20.207, 104.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 52.582, 100.505 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(183, 174, 73)` looks like.

```
.text, #text, p{  
    color:rgb(183, 174, 73)  
}
```

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(183, 174, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 174, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 52.582, 100.505 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(183, 174, 73) }
```

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

```
.border{ border-color:rgb(183, 174, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 174, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 174, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 174, 73);  
box-shadow:4px 4px 4px 4px rgb(183, 174,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 52.582, 100.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 174, 73) }
```

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

```
.background{ background-color: rgb(183,  
174, 73) }
```

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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