

Converting Colors

CIELCh(70, 45.812, 105.130)

Have a look what the booklet for
CIELCh(70, 45.812, 105.130)
contains.

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Color

CIELCh(70, 45.842, 104.983)

Conversions

Conversions Part 1

Format	Color
Hex	B0AF58
RGB	176, 175, 88
RGB Percent	69%, 69%, 35%
CMY	0.3086, 0.3126, 0.6538
CMYK	0.00, 0.01, 0.50, 0.31
HSL	59°, 36%, 52%
HSV	59°, 50%, 69%
XYZ	35.1337, 40.7494, 15.3065
YIQ	165.3810, 28.5230, -26.8450

Conversions

Conversions Part 2

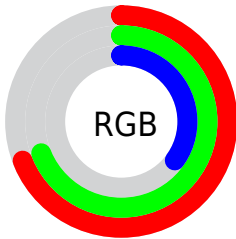
Format	Color
RYB	89, 176, 88
Decimal	11579224
CIELab	70.00, -11.85, 44.28
CIELCh	70, 45.842, 104.983
Yxy	40.7494, 0.3853, 0.4469
Android (android.graphics.Color)	4289769304 (0xFFB0AF58)
YUV	165.3810, -38.1488, 9.3129
Hunter-Lab	63.8353, -13.4688, 30.4681

Details

The CIELCh color $70, 45.842, 104.983$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $42, 52.401, 296.936$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 45.688, 104.881$, and $50, 45.815, 105.364$ is the 20% darker color. If you saturate the color by 10%, you get $70, 53.915, 104.150$, and if you desaturate by 10%, it is $70, 37.153, 105.891$.

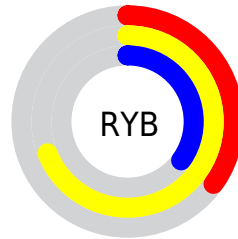
Distribution



Red (69%)

Green (69%)

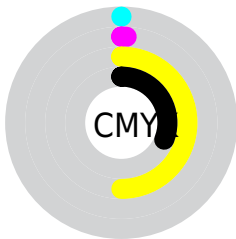
Blue (35%)



Red (35%)

Yellow (69%)

Blue (35%)

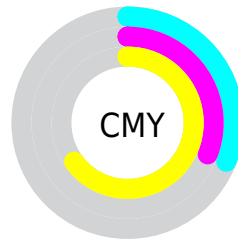


Cyan (0%)

Magenta (1%)

Yellow (50%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.842, 104.983 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, 45.842, 104.983 by changing the saturation by 10% instead.

 70, 45.842,
104.983


 70, 45.842,
104.983


 100, 45.842,
104.983


 60, 45.842,
104.983


 90, 45.842,
104.983

 50, 45.842,
104.983

 40, 45.842,
104.983

 30, 45.842,
104.983

 20, 45.842,
104.983

 10, 45.842,
104.983

 0, 45.842, 104.983

70, 45.842,
104.983

70, 45.842,
104.983

70, 53.915,
104.150

70, 37.153,
105.891

70, 61.027,
103.417

71, 28.085,
106.838

69, 66.741,
102.826

71, 18.795,
107.803

69, 70.633,
102.406

71, 9.386, 108.767

69, 72.839,
102.139

72, 0.077, 290.541

69, 72.854,
102.137

73, 9.553, 290.670

73, 19.012,
291.571

74, 28.436,
292.438

■ 74, 37.809,
293.266

Harmonies

Complementary

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



70, 45.842, 104.983



42, 52.401, 296.936

Rectangle

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



70, 45.842, 104.983



70, 45.842, 154.983



70, 45.842, 284.983



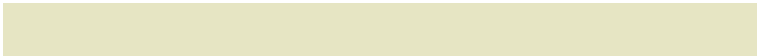
70, 45.842, 334.983

Sweetspot

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



70, 45.843, 104.986



90, 17.556, 108.254



48, 39.239, 23.802



48, 11.958, 108.055



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, 45.843, 104.986



88, 66.699, 104.062



67, 49.831, 126.189



38, 5.409, 108.824



61, 65.632, 102.145



8, 13.068, 109.420

Inverse Universe

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



42, 52.401, 296.936



47, 79.664, 299.303



46, 53.771, 311.058



34, 5.525, 290.683



17, 90.814, 306.114



1, 13.198, 289.827

Previews

White Background



This preview shows how the CIELCh color 70, 45.842, 104.983 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, 45.842, 104.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

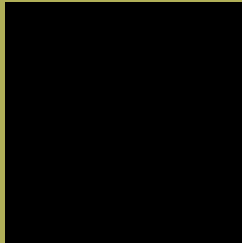
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 45.842, 104.983

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.842, 104.983.



This preview shows how white text looks on a background with the CIELCh color 70, 45.842, 104.983.

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, 45.842, 104.983

Protanopia
70, 45.292, 95.535

Deuteranopia
70, 44.323, 78.677



Tritanopia
70, 10.665, 338.557

Trichromacy



Original Color
70, 45.842, 104.983

Protanomaly
70, 45.707, 99.491

Deuteranomaly
70, 43.477, 88.152

Tritanomaly
70, 14.104, 87.081

Monochromacy



Original Color
70, 45.842, 104.983

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 16.912, 107.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.842, 104.983 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(176, 175, 88)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 88)  
}
```

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(176, 175, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.842, 104.983 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(176, 175, 88) }
```

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

```
.border{ border-color:rgb(176, 175, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 175, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 88);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.842, 104.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 175, 88) }
```

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

```
.background{ background-color: rgb(176,  
175, 88) }
```

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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