

Converting Colors

CIELCh(69, 51.460, 112.732)

Have a look what the booklet for
CIELCh(69, 51.460, 112.732)
contains.

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Color

CIELCh(69, 51.471, 112.749)

Conversions

Conversions Part 1

Format	Color
Hex	A1B14F
RGB	161, 177, 79
RGB Percent	63%, 69%, 31%
CMY	0.3705, 0.3077, 0.6919
CMYK	0.09, 0.00, 0.55, 0.31
HSL	70°, 38%, 50%
HSV	70°, 55%, 69%
XYZ	31.6262, 39.3444, 13.2401
YIQ	161.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

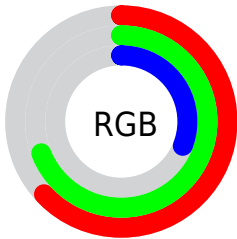
Format	Color
RYB	79, 177, 95
Decimal	10596687
CIELab	69.00, -19.90, 47.47
CIElCh	69, 51.471, 112.749
Yxy	39.3444, 0.3756, 0.4672
Android (android.graphics.Color)	4288786767 (0xFFA1B14F)
YUV	161.0440, -40.4477, -0.0386
Hunter-Lab	62.7251, -19.7687, 31.3926

Details

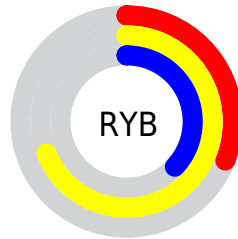
The CIELCh color **69, 51.471, 112.749** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **40, 59.545, 302.402**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 51.716, 112.681**, and **49, 51.103, 112.596** is the 20% darker color. If you saturate the color by 10%, you get **69, 59.237, 112.284**, and if you desaturate by 10%, it is **69, 42.915, 113.350**.

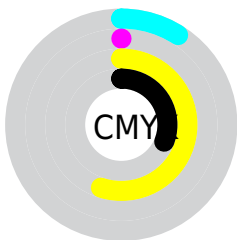
Distribution



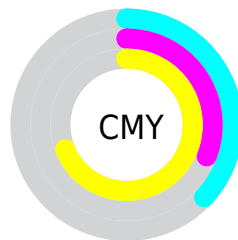
- Red (63%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (37%)



- Cyan (9%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)




- Cyan (37%)
- Magenta (31%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 51.471, 112.749 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 69, 51.471, 112.749 by changing the saturation by 10% instead.

 69, 51.471,
112.749


 69, 51.471,
112.749


 100, 51.471,
112.749

 59, 51.471,
112.749

 89, 51.471,
112.749

 49, 51.471,
112.749

 99, 51.471,
112.749

 39, 51.471,
112.749

 29, 51.471,
112.749

 19, 51.471,
112.749

 9, 51.471, 112.749

 0, 51.471, 112.749

69, 51.471,
112.749

69, 51.471,
112.749

69, 59.237,
112.284

69, 42.915,
113.350

68, 65.821,
112.019

70, 33.855,
114.027

68, 70.785,
112.040

70, 24.488,
114.743

68, 73.824,
112.411

71, 14.943,
115.470

68, 74.863,
112.632

72, 5.307, 116.191

72, 4.361, 296.894

73, 14.022,
297.568

74, 23.646,
298.210

■ 75, 33.212,
298.817

Harmonies

Complementary

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



69, 51.471, 112.749



40, 59.545, 302.402

Rectangle

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



69, 51.471, 112.749



69, 51.471, 162.749



69, 51.471, 292.749



69, 51.471, 342.749

Sweetspot

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



69, 51.472, 112.751



90, 20.277, 115.340



49, 40.039, 36.168



47, 13.540, 115.198



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 51.472, 112.751



87, 74.370, 112.190



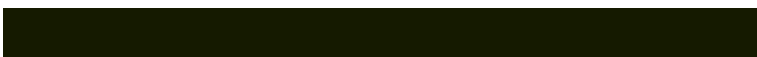
66, 57.681, 131.490



38, 5.515, 115.917



59, 67.345, 112.528



8, 13.515, 119.323

Inverse Universe

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



40, 59.545, 302.402



44, 90.137, 304.168



45, 60.575, 316.421



35, 5.631, 297.283



18, 90.276, 307.064



1, 13.382, 295.131

Previews

White Background



This preview shows how the CIELCh color 69, 51.471, 112.749 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 69, 51.471, 112.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

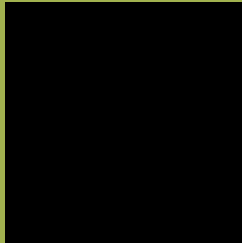
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 51.471, 112.749

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.471, 112.749.



This preview shows how white text looks on a background with the CIELCh color 69, 51.471, 112.749.

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

69, 51.471, 112.749

Protanopia

69, 49.251, 95.242

Deuteranopia

69, 46.991, 79.127



Tritanopia
69, 7.516, 308.031

Trichromacy



Original Color
69, 51.471, 112.749

Protanomaly
69, 49.352, 102.023

Deuteranomaly
69, 46.540, 92.180

Tritanomaly
69, 15.295, 111.601

Monochromacy



Original Color
69, 51.471, 112.749

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 19.829, 115.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.471, 112.749 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(161, 177, 79)` looks like.

```
.text, #text, p{  
    color:rgb(161, 177, 79)  
}
```

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(161, 177, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 177, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.471, 112.749 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(161, 177, 79) }
```

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

```
.border{ border-color:rgb(161, 177, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 177, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 177, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 177, 79);  
box-shadow:4px 4px 4px 4px rgb(161, 177,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.471, 112.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 177, 79) }
```

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

```
.background{ background-color: rgb(161,  
177, 79) }
```

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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