

Converting Colors

CIELCh(69, 46.235, 116.713)

Have a look what the booklet for
CIELCh(69, 46.235, 116.713)
contains.

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Color

CIELCh(69, 46.235, 116.713)

Conversions

Conversions Part 1

Format	Color
Hex	9CB15B
RGB	156, 177, 91
RGB Percent	61%, 69%, 36%
CMY	0.3876, 0.3053, 0.6426
CMYK	0.12, 0.00, 0.49, 0.31
HSL	75°, 36%, 53%
HSV	75°, 49%, 69%
XYZ	31.3858, 39.3444, 15.8692
YIQ	160.9170, 15.0900, -31.1980

Conversions

Conversions Part 2

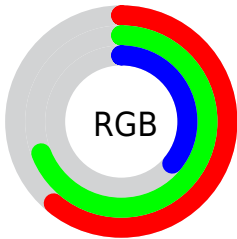
Format	Color
RYB	91, 177, 112
Decimal	10269019
CIELab	69.00, -20.78, 41.30
CIElCh	69, 46.235, 116.713
Yxy	39.3444, 0.3624, 0.4543
Android (android.graphics.Color)	4288459099 (0xFF9CB15B)
YUV	160.9170, -34.4691, -4.3122
Hunter-Lab	62.7251, -20.4528, 28.9075

Details

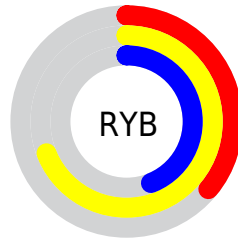
The CIELCh color **69, 46.235, 116.713** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **44, 51.765, 303.771**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 46.406, 116.775**, and **49, 46.085, 116.433** is the 20% darker color. If you saturate the color by 10%, you get **68, 54.746, 116.250**, and if you desaturate by 10%, it is **70, 37.156, 117.280**.

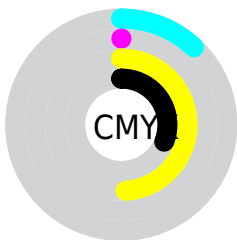
Distribution



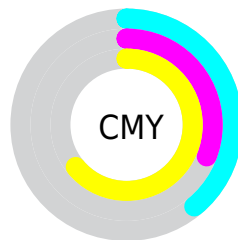
- Red (61%)
- Green (69%)
- Blue (36%)



- Red (36%)
- Yellow (69%)
- Blue (44%)



- Cyan (12%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)





- Cyan (39%)
- Magenta (31%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 46.235, 116.713 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, 46.235, 116.713 by changing the saturation by 10% instead.

 69, 46.235,
116.713


 69, 46.235,
116.713

 100, 46.235,
116.713


 59, 46.235,
116.713


 89, 46.235,
116.713

 49, 46.235,
116.713

 99, 46.235,
116.713

 39, 46.235,
116.713

 29, 46.235,
116.713

 19, 46.235,
116.713

 9, 46.235, 116.713

 0, 46.235, 116.713

69, 46.235,
116.713

69, 46.235,
116.713

68, 54.746,
116.250

70, 37.156,
117.280

68, 62.370,
115.953

70, 27.725,
117.896

68, 68.698,
115.914

71, 18.090,
118.531

67, 73.305,
116.232

72, 8.352, 119.164

67, 76.142,
116.928

72, 1.425, 299.757

67, 76.514,
117.033

73, 11.192,
300.360

74, 20.916,
300.918

75, 30.573,
301.441

■ 76, 40.145,
301.929

Harmonies

Complementary

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



69, 46.235, 116.713



44, 51.765, 303.771

Rectangle

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



69, 46.235, 116.713



69, 46.235, 166.713



69, 46.235, 296.713



69, 46.235, 346.713

Sweetspot

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



69, 46.236, 116.715



90, 18.067, 118.741



54, 32.544, 42.754



47, 12.308, 118.610



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, 46.236, 116.715



87, 66.869, 116.233



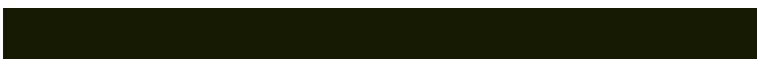
66, 52.387, 134.247



37, 5.565, 119.115



58, 68.625, 116.887



8, 13.708, 123.195

Inverse Universe

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



44, 51.765, 303.771



50, 77.307, 304.906



49, 53.945, 318.784



35, 5.674, 300.289



19, 89.332, 307.790



1, 13.451, 297.551

Previews

White Background



This preview shows how the CIELCh color 69, 46.235, 116.713 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 69, 46.235, 116.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

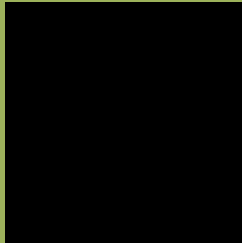
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 46.235, 116.713

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.235, 116.713.



This preview shows how white text looks on a background with the CIELCh color 69, 46.235, 116.713.

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, 46.235, 116.713

Protanopia
69, 43.359, 95.805

Deuteranopia
69, 40.973, 77.356



Tritanopia
69, 7.150, 290.907

Trichromacy



Original Color
69, 46.235, 116.713

Protanomaly
69, 43.561, 103.396

Deuteranomaly
68, 39.871, 92.776

Tritanomaly
69, 12.965, 122.887

Monochromacy



Original Color
69, 46.235, 116.713

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 17.284, 119.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.235, 116.713 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(156, 177, 91)` looks like.

```
.text, #text, p{  
    color:rgb(156, 177, 91)  
}
```

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(156, 177, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 177, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.235, 116.713 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(156, 177, 91) }
```

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

```
.border{ border-color:rgb(156, 177, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 177, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 177, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 177, 91);  
box-shadow:4px 4px 4px 4px rgb(156, 177,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.235, 116.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 177, 91) }
```

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

```
.background{ background-color: rgb(156,  
177, 91) }
```

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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