

Converting Colors

CIELCh(69, 67.861, 84.456)

Have a look what the booklet for
CIELCh(69, 67.861, 84.456) contains.

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Color

CIELCh(69, 67.616, 84.337)

Conversions

Conversions Part 1

Format	Color
Hex	D1A11F
RGB	209, 161, 31
RGB Percent	82%, 63%, 12%
CMY	0.1786, 0.3671, 0.8802
CMYK	0.00, 0.23, 0.85, 0.18
HSL	44°, 75%, 47%
HSV	44°, 85%, 82%
XYZ	39.4761, 39.3444, 6.7784
YIQ	160.5320, 70.3380, -30.2540

Conversions

Conversions Part 2

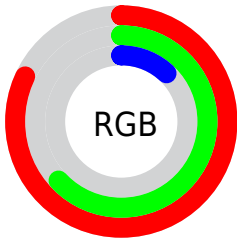
Format	Color
R_{YB}	97, 209, 31
Decimal	13738271
CIE _{Lab}	69.00, 6.67, 67.29
CIE _{LCh}	69, 67.616, 84.337
Yxy	39.3444, 0.4612, 0.4596
Android (android.graphics.Color)	4291928351 (0xFFD1A11F)
YUV	160.5320, -63.8593, 42.5064
Hunter-Lab	62.7251, 2.5703, 37.5004

Details

The CIELCh color **69, 67.616, 84.337** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **39, 79.137, 295.470**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 64.879, 89.447**, and **49, 56.225, 82.281** is the 20% darker color. If you saturate the color by 10%, you get **68, 70.871, 82.435**, and if you desaturate by 10%, it is **71, 62.069, 85.976**.

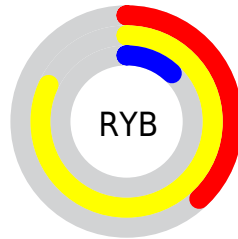
Distribution



Red (82%)

Green (63%)

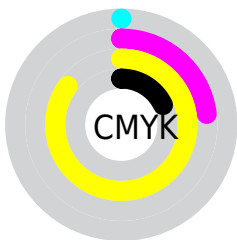
Blue (12%)



Red (38%)

Yellow (82%)

Blue (12%)

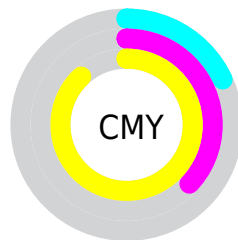


Cyan (0%)

Magenta (23%)

Yellow (85%)

Black (18%)



Cyan (18%)

Magenta (37%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 67.616, 84.337 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, 67.616, 84.337 by changing the saturation by 10% instead.

■ 69, 67.616, 84.337

■ 69, 67.616, 84.337

■ 100, 67.616,
84.337

■ 59, 67.616, 84.337

■ 89, 67.616, 84.337

■ 49, 67.616, 84.337

■ 99, 67.616, 84.337

■ 39, 67.616, 84.337

■ 29, 67.616, 84.337

■ 19, 67.616, 84.337

■ 9, 67.616, 84.337

■ 0, 67.616, 84.337

■ 69, 67.616, 84.337

■ 69, 67.616, 84.337

■ 68, 70.871, 82.435

■ 71, 62.069, 85.976

67, 71.847, 81.501

72, 54.974, 87.462

74, 46.998, 88.869

76, 38.592, 90.228

77, 30.022, 91.552

79, 21.437, 92.842

81, 12.917, 94.092

83, 4.500, 95.278

85, 3.798, 276.548

Harmonies

Complementary

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



69, 67.616, 84.337



39, 79.137, 295.470

Rectangle

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



69, 67.616, 84.337



69, 67.616, 134.337



69, 67.616, 264.337



69, 67.616, 314.337

Sweetspot

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



69, 67.615, 84.340



94, 25.741, 92.730



46, 70.096, 15.484



49, 17.483, 92.281



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 67.615, 84.340



80, 83.279, 81.217



79, 81.622, 114.773



43, 4.726, 94.817



55, 61.118, 81.879



12, 17.734, 85.377

Inverse Universe

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



39, 79.137, 295.470



40, 109.720, 300.439



31, 104.096, 306.976



41, 4.754, 277.168



26, 78.302, 299.598



4, 20.896, 285.758

Previews

White Background



This preview shows how the CIELCh color 69, 67.616, 84.337 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, 67.616, 84.337 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, 67.616, 84.337

Background



This preview shows how black text looks on a background with the CIELCh color 69, 67.616, 84.337.



This preview shows how white text looks on a background with the CIELCh color 69, 67.616, 84.337.

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, 67.359, 84.294

Protanopia

69, 66.167, 95.121

Deuteranopia

69, 67.942, 82.396



Tritanopia
69, 27.124, 8.308

Trichromacy



Original Color
69, 67.359, 84.294

Protanomaly
69, 66.338, 91.078

Deuteranomaly
69, 67.893, 83.220

Tritanomaly
68, 34.685, 59.330

Monochromacy



Original Color
69, 67.359, 84.294

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 26.899, 90.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 67.616, 84.337 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(209, 161, 31)` looks like.

```
.text, #text, p{  
    color:rgb(209, 161, 31)  
}
```

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(209, 161, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 161, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 67.616, 84.337 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(209, 161, 31) }
```

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

```
.border{ border-color:rgb(209, 161, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 161, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 161, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 161, 31);  
box-shadow:4px 4px 4px 4px rgb(209, 161,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 67.616, 84.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 161, 31) }
```

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

```
.background{ background-color: rgb(209,  
161, 31) }
```

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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