

Converting Colors

CIELCh(67, 71.867, 113.660)

Have a look what the booklet for
CIELCh(67, 71.867, 113.660)
contains.

CIELCh(67, 72.016, 113.641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 72.016, 113.641)

Conversions

Conversions Part 1

Format	Color
Hex	91AF13
RGB	145, 175, 19
RGB Percent	57%, 69%, 7%
CMY	0.4322, 0.3145, 0.9268
CMYK	0.17, 0.00, 0.89, 0.31
HSL	72°, 81%, 38%
HSV	72°, 89%, 69%
XYZ	27.0483, 36.6320, 6.2454
YIQ	148.2460, 32.1960, -54.8760

Conversions

Conversions Part 2

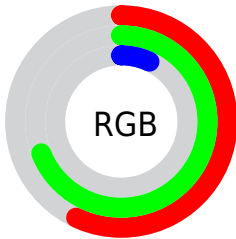
Format	Color
RYB	19, 175, 49
Decimal	9547539
CIELab	67.00, -28.88, 65.97
CIELCh	67, 72.016, 113.641
Yxy	36.6320, 0.3868, 0.5239
Android (android.graphics.Color)	4287737619 (0xFF91AF13)
YUV	148.2460, -63.7183, -2.8467
Hunter-Lab	60.5244, -26.1460, 36.2490

Details

The CIELCh color **67, 72.016, 113.641** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 93.336, 306.816**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 72.115, 113.897**, and **47, 58.429, 117.534** is the 20% darker color. If you saturate the color by 10%, you get **67, 74.617, 114.195**, and if you desaturate by 10%, it is **67, 67.727, 113.418**.

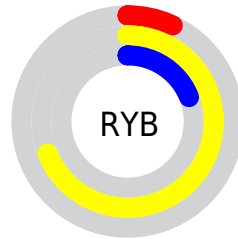
Distribution



Red (57%)

Green (69%)

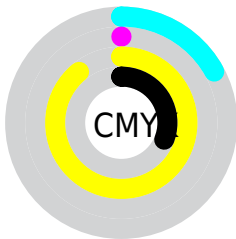
Blue (7%)



Red (7%)

Yellow (69%)

Blue (19%)

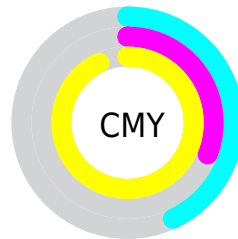


Cyan (17%)

Magenta (0%)

Yellow (89%)

Black (31%)



Cyan (43%)


Magenta (31%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 72.016, 113.641 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 67, 72.016, 113.641 by changing the saturation by 10% instead.

 67, 72.016,
113.641


 67, 72.016,
113.641


 100, 72.016,
113.641


 57, 72.016,
113.641


 87, 72.016,
113.641

 47, 72.016,
113.641

 97, 72.016,
113.641

 37, 72.016,
113.641

 27, 72.016,
113.641

 17, 72.016,
113.641

 7, 72.016, 113.641

 0, 72.016, 113.641

■ 67, 72.016,
113.641

■ 67, 72.016,
113.641

■ 67, 74.617,
114.195

■ 67, 67.727,
113.418

■ 67, 74.780,
114.233

■ 68, 61.694,
113.526

■ 68, 54.334,
113.880

■ 68, 46.061,
114.398

■ 69, 37.196,
115.014

■ 69, 27.965,
115.684

■ 70, 18.518,
116.374

■ 71, 8.956, 117.064

Harmonies

Complementary

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



67, 72.016, 113.641



24, 93.336, 306.816

Rectangle

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



67, 72.016, 113.641



67, 72.016, 163.641



67, 72.016, 293.641



67, 72.016, 343.641

Sweetspot

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



67, 72.016, 113.643



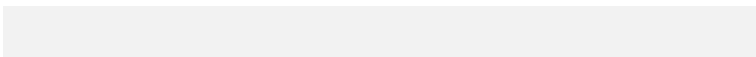
88, 31.870, 115.811



40, 67.927, 42.291



47, 21.603, 115.583



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 72.016, 113.643



84, 90.956, 114.417



63, 82.658, 132.135



36, 5.400, 117.066



58, 66.923, 114.107



7, 11.556, 120.395

Inverse Universe

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



24, 93.336, 306.816



30, 120.957, 307.109



34, 86.713, 317.443



34, 5.510, 298.355



18, 88.858, 307.301



1, 11.429, 296.320

Previews

White Background



This preview shows how the CIELCh color 67, 72.016, 113.641 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 67, 72.016, 113.641 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 67, 72.016, 113.641

Background



This preview shows how black text looks on a background with the CIELCh color 67, 72.016, 113.641.



This preview shows how white text looks on a background with the CIELCh color 67, 72.016, 113.641.

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](#).

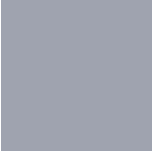
Dichromacy



Original Color
67, 72.016, 113.641

Protanopia
67, 68.147, 95.289

Deuteranopia
67, 64.486, 82.143



Tritanopia
67, 6.765, 278.371

Trichromacy



Original Color
67, 72.016, 113.641

Protanomaly
67, 68.462, 102.299

Deuteranomaly
67, 64.783, 94.808

Tritanomaly
66, 27.229, 118.721

Monochromacy



Original Color
67, 72.016, 113.641

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 31.528, 115.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 72.016, 113.641 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(145, 175, 19)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 19)  
}
```

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(145, 175, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 72.016, 113.641 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(145, 175, 19) }
```

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

```
.border{ border-color:rgb(145, 175, 19) }
```

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

Here you see how a box with a 4 pixel rgb(145, 175, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 175, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 175, 19);  
box-shadow:4px 4px 4px 4px rgb(145, 175,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 72.016, 113.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 19) }
```

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

```
.background{ background-color: rgb(145,  
175, 19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor