

Converting Colors

CIELCh(69, 66.118, 97.668)

Have a look what the booklet for
CIELCh(69, 66.118, 97.668) contains.

CIELCh(69, 65.855, 97.512)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 65.855, 97.512)

Conversions

Conversions Part 1

Format	Color
Hex	B9AA22
RGB	185, 170, 34
RGB Percent	73%, 67%, 13%
CMY	0.2731, 0.3321, 0.8650
CMYK	0.00, 0.08, 0.81, 0.27
HSL	54°, 69%, 43%
HSV	54°, 81%, 73%
XYZ	34.8209, 39.3444, 7.3035
YIQ	158.9810, 52.5960, -39.1160

Conversions

Conversions Part 2

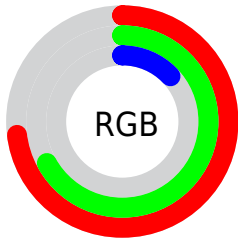
Format	Color
RYB	51, 185, 34
Decimal	12167714
CIELab	69.00, -8.61, 65.29
CIELCh	69, 65.855, 97.512
Yxy	39.3444, 0.4274, 0.4829
Android (android.graphics.Color)	4290357794 (0xFFB9AA22)
YUV	158.9810, -61.6156, 22.8187
Hunter-Lab	62.7251, -10.6774, 37.0040

Details

The CIELCh color **69, 65.855, 97.512** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **30, 84.347, 301.240**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 66.018, 97.683**, and **49, 55.058, 97.777** is the 20% darker color. If you saturate the color by 10%, you get **68, 69.432, 96.691**, and if you desaturate by 10%, it is **70, 60.326, 98.412**.

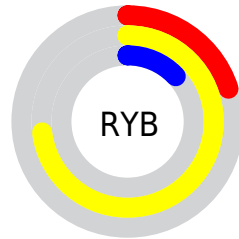
Distribution



Red (73%)

Green (67%)

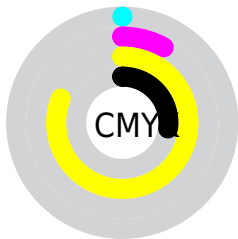
Blue (13%)



Red (20%)

Yellow (73%)

Blue (13%)

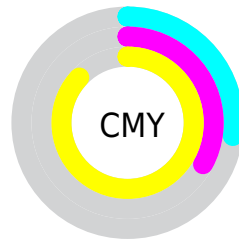


Cyan (0%)

Magenta (8%)

Yellow (81%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 65.855, 97.512 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, 65.855, 97.512 by changing the saturation by 10% instead.

 69, 65.855, 97.512

 69, 65.855, 97.512

 100, 65.855,
97.512

 59, 65.855, 97.512

 89, 65.855, 97.512

 49, 65.855, 97.512

 99, 65.855, 97.512

 39, 65.855, 97.512

 29, 65.855, 97.512

 19, 65.855, 97.512

 9, 65.855, 97.512

 0, 65.855, 97.512

 69, 65.855, 97.512

 69, 65.855, 97.512

 68, 69.432, 96.691

 70, 60.326, 98.412

68, 71.090, 96.027

70, 53.365, 99.377

71, 45.470,
100.396

72, 37.014,
101.448

72, 28.240,
102.516

73, 19.304,
103.584

74, 10.298,
104.637

75, 1.281, 105.603

76, 7.714, 286.699

Harmonies

Complementary

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



69, 65.855, 97.512



30, 84.347, 301.240

Rectangle

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



69, 65.855, 97.512



69, 65.855, 147.512



69, 65.855, 277.512



69, 65.855, 327.512

Sweetspot

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



69, 65.855, 97.514



92, 26.628, 103.269



41, 66.157, 27.812



49, 18.266, 102.892



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 65.855, 97.514



86, 85.825, 96.060



69, 75.696, 122.814



38, 5.063, 104.854



58, 62.508, 96.126



9, 13.156, 102.890

Inverse Universe

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



30, 84.347, 301.240



32, 121.412, 304.949



32, 89.006, 310.175



36, 5.151, 286.859



19, 87.523, 304.744



1, 14.256, 287.212

Previews

White Background



This preview shows how the CIELCh color 69, 65.855, 97.512 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, 65.855, 97.512 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, 65.855, 97.512

Background



This preview shows how black text looks on a background with the CIELCh color 69, 65.855, 97.512.



This preview shows how white text looks on a background with the CIELCh color 69, 65.855, 97.512.

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, 65.855, 97.512

Protanopia

69, 65.892, 95.116

Deuteranopia

69, 65.181, 82.235



Tritanopia
69, 15.291, 355.498

Trichromacy



Original Color
69, 65.855, 97.512

Protanomaly
69, 65.747, 95.901

Deuteranomaly
69, 64.824, 88.048

Tritanomaly
68, 25.989, 80.615

Monochromacy



Original Color
69, 65.855, 97.512

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 26.867, 101.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 65.855, 97.512 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(185, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(185, 170, 34)  
}
```

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(185, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 170, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 65.855, 97.512 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(185, 170, 34) }
```

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

```
.border{ border-color:rgb(185, 170, 34) }
```

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

Here you see how a box with a 4 pixel rgb(185, 170, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(185, 170,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 65.855, 97.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 170, 34) }
```

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

```
.background{ background-color: rgb(185,  
170, 34) }
```

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