

Converting Colors

CIELCh(65, 70.865, 108.334)

Have a look what the booklet for
CIELCh(65, 70.865, 108.334)
contains.

CIELCh(65, 70.684, 108.342)	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(65, 70.684, 108.342)

Conversions

Conversions Part 1

Format	Color
Hex	97A601
RGB	151, 166, 1
RGB Percent	59%, 65%, 0%
CMY	0.4061, 0.3474, 0.9961
CMYK	0.09, 0.00, 0.99, 0.35
HSL	65°, 99%, 33%
HSV	65°, 99%, 65%
XYZ	26.5614, 34.0472, 5.2000
YIQ	142.7050, 44.0250, -54.4950

Conversions

Conversions Part 2

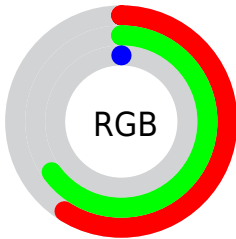
Format	Color
R_{YB}	1, 166, 16
Decimal	9938433
CIE _{Lab}	65.00, -22.24, 67.09
CIE _{LCh}	65, 70.684, 108.342
Yxy	34.0472, 0.4036, 0.5174
Android (android.graphics.Color)	4288128513 (0xFF97A601)
YUV	142.7050, -69.8606, 7.2747
Hunter-Lab	58.3500, -20.8576, 35.5612

Details

The CIELCh color **65, 70.684, 108.342** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **20, 96.396, 306.551**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 70.423, 108.331**, and **45, 54.425, 112.447** is the 20% darker color. If you saturate the color by 10%, you get **65, 70.817, 108.354**, and if you desaturate by 10%, it is **65, 68.310, 108.182**.

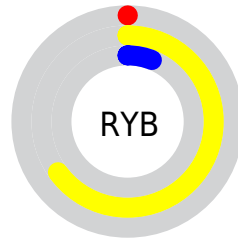
Distribution



Red (59%)

Green (65%)

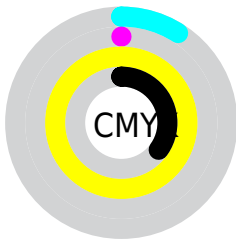
Blue (0%)



Red (0%)

Yellow (65%)

Blue (6%)

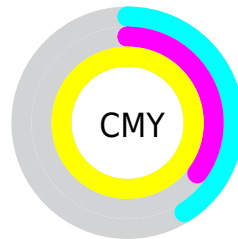


Cyan (9%)

Magenta (0%)

Yellow (99%)

Black (35%)



Cyan (41%)


Magenta (35%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 70.684, 108.342 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 65, 70.684, 108.342 by changing the saturation by 10% instead.


 65, 70.684,
108.342


 65, 70.684,
108.342


 100, 70.684,
108.342


 55, 70.684,
108.342


 85, 70.684,
108.342

 45, 70.684,
108.342

 95, 70.684,
108.342

 35, 70.684,
108.342

 25, 70.684,
108.342

 15, 70.684,
108.342

 5, 70.684, 108.342

 0, 70.684, 108.342

■ 65, 70.684,
108.342

■ 65, 70.684,
108.342

■ 65, 70.817,
108.354

■ 65, 68.310,
108.182

■ 65, 64.336,
108.262

■ 66, 58.673,
108.597

■ 66, 51.721,
109.128

■ 66, 43.881,
109.793

■ 66, 35.466,
110.543

■ 67, 26.692,
111.341

■ 67, 17.706,

112.159

■ 68, 8.602, 112.977

Harmonies

Complementary

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



65, 70.684, 108.342



20, 96.396, 306.551

Rectangle

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



65, 70.684, 108.342



65, 70.684, 158.342



65, 70.684, 288.342



65, 70.684, 338.342

Sweetspot

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



65, 70.684, 108.344



85, 33.743, 111.248



35, 74.283, 40.781



45, 23.132, 110.921



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 70.684, 108.344



83, 86.239, 108.453



61, 81.010, 130.370



35, 5.225, 112.986



58, 64.934, 108.302



6, 9.602, 115.044

Inverse Universe

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



20, 96.396, 306.551



27, 117.884, 306.537



28, 88.751, 314.072



33, 5.338, 294.537



17, 88.635, 306.645



1, 9.579, 293.242

Previews

White Background



This preview shows how the CIELCh color 65, 70.684, 108.342 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 65, 70.684, 108.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

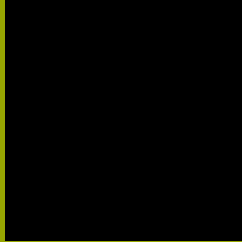
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 70.684, 108.342

Background



This preview shows how black text looks on a background with the CIELCh color 65, 70.684, 108.342.



This preview shows how white text looks on a background with the CIELCh color 65, 70.684, 108.342.

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
65, 70.554, 108.364

Protanopia
65, 68.441, 95.080

Deuteranopia
65, 64.592, 82.274



Tritanopia
65, 7.524, 317.572

Trichromacy



Original Color
65, 70.554, 108.364

Protanomaly
65, 68.779, 100.173

Deuteranomaly
65, 65.440, 92.098

Tritanomaly
64, 28.460, 107.086

Monochromacy



Original Color
65, 70.554, 108.364

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 33.548, 110.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 70.684, 108.342 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(151, 166, 1)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 1)  
}
```

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(151, 166, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 70.684, 108.342 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(151, 166, 1) }
```

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

```
.border{ border-color:rgb(151, 166, 1) }
```

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

Here you see how a box with a 4 pixel rgb(151, 166, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 1);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 70.684, 108.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 1) }
```

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

```
.background{ background-color: rgb(151,  
166, 1) }
```

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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