

Converting Colors

CIELCh(63, 68.527, 107.906)

Have a look what the booklet for
CIELCh(63, 68.527, 107.906)
contains.

CIELCh(63, 68.673, 108.196)	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(63, 68.673, 108.196)

Conversions

Conversions Part 1

Format	Color
Hex	93A102
RGB	147, 161, 2
RGB Percent	58%, 63%, 1%
CMY	0.4246, 0.3696, 0.9904
CMYK	0.09, 0.00, 0.98, 0.37
HSL	65°, 97%, 32%
HSV	65°, 98%, 63%
XYZ	24.7001, 31.5869, 4.8647
YIQ	138.6880, 42.6950, -52.4170

Conversions

Conversions Part 2

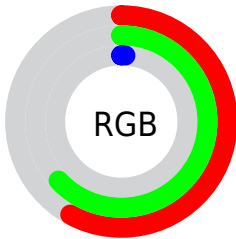
Format	Color
R_{YB}	2, 161, 16
Decimal	9675010
CIE Lab	63.00, -21.44, 65.24
CIE LCh	63, 68.673, 108.196
Yxy	31.5869, 0.4039, 0.5165
Android (android.graphics.Color)	4287865090 (0xFF93A102)
YUV	138.6880, -67.3872, 7.2896
Hunter-Lab	56.2022, -19.9058, 34.2096

Details

The CIELCh color **63, 68.673, 108.196** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **19, 93.456, 306.464**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 68.882, 108.468**, and **43, 53.023, 112.246** is the 20% darker color. If you saturate the color by 10%, you get **63, 69.015, 108.221**, and if you desaturate by 10%, it is **63, 66.220, 108.067**.

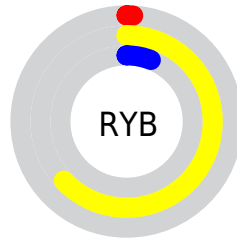
Distribution



Red (58%)

Green (63%)

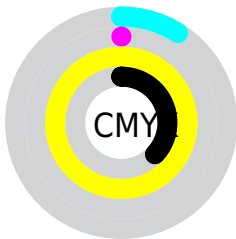
Blue (1%)



Red (1%)

Yellow (63%)

Blue (6%)

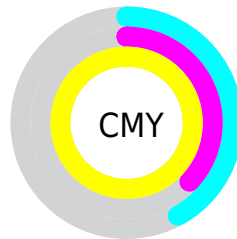


Cyan (9%)

Magenta (0%)

Yellow (98%)

Black (37%)



Cyan (42%)

Magenta (37%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 68.673, 108.196 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 63, 68.673, 108.196 by changing the saturation by 10% instead.


 63, 68.673,
108.196


 63, 68.673,
108.196


 100, 68.673,
108.196


 53, 68.673,
108.196


 83, 68.673,
108.196

 43, 68.673,
108.196

 93, 68.673,
108.196

 33, 68.673,
108.196

 23, 68.673,
108.196

 13, 68.673,
108.196

 3, 68.673, 108.196

 0, 68.673, 108.196

■ 63, 68.673,
108.196

■ 63, 68.673,
108.196

■ 63, 69.015,
108.221

■ 63, 66.220,
108.067

■ 63, 62.155,
108.185

■ 64, 56.491,
108.549

■ 64, 49.622,
109.099

■ 64, 41.930,
109.777

■ 64, 33.705,
110.534

■ 65, 25.151,
111.336

■ 65, 16.401,

112.155

■ 66, 7.544, 112.972

Harmonies

Complementary

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



63, 68.673, 108.196



19, 93.456, 306.464

Rectangle

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



63, 68.673, 108.196



63, 68.673, 158.196



63, 68.673, 288.196



63, 68.673, 338.196

Sweetspot

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



63, 68.673, 108.198



82, 32.770, 111.166



34, 71.762, 40.516



43, 22.244, 110.849



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 68.673, 108.198



80, 83.921, 108.321



59, 78.614, 130.264



34, 5.093, 112.908



57, 64.098, 108.177



5, 7.978, 114.690

Inverse Universe

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



19, 93.456, 306.464



26, 114.747, 306.538



27, 86.120, 314.141



32, 5.202, 294.458



16, 87.521, 306.643



0, 7.965, 293.332

Previews

White Background



This preview shows how the CIELCh color 63, 68.673, 108.196 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 63, 68.673, 108.196 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 63, 68.673, 108.196

Background



This preview shows how black text looks on a background with the CIELCh color 63, 68.673, 108.196.



This preview shows how white text looks on a background with the CIELCh color 63, 68.673, 108.196.

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


63, 68.808, 108.173

Protanopia

63, 66.815, 95.246

Deuteranopia

63, 62.835, 82.438



Tritanopia
63, 7.576, 317.583

Trichromacy



Original Color
63, 68.808, 108.173

Protanomaly
63, 67.066, 100.103

Deuteranomaly
63, 63.680, 92.171

Tritanomaly
62, 27.565, 106.208

Monochromacy



Original Color
63, 68.808, 108.173

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 32.096, 110.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 68.673, 108.196 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(147, 161, 2)` looks like.

```
.text, #text, p{  
    color:rgb(147, 161, 2)  
}
```

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(147, 161, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 161, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 68.673, 108.196 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(147, 161, 2) }
```

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

```
.border{ border-color:rgb(147, 161, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 161, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 161, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 161, 2);  
box-shadow:4px 4px 4px 4px rgb(147, 161,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 68.673, 108.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 161, 2) }
```

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

```
.background{ background-color: rgb(147,  
161, 2) }
```

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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