

Converting Colors

CIELCh(100, 11.465, 108.327)

Have a look what the booklet for
CIELCh(100, 11.465, 108.327)
contains.

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Color

CIELCh(100, 10.630, 109.373)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFEB
RGB	255, 255, 235
RGB Percent	100%, 100%, 92%
CMY	0.0000, 0.0000, 0.0768
CMYK	0.00, 0.00, 0.08, 0.00
HSL	60°, 100%, 96%
HSV	60°, 8%, 100%
XYZ	93.0502, 100.0000, 93.3121
YIQ	252.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

Format	Color
R_{YB}	235, 255, 235
Decimal	16777195
CIE _{Lab}	100.00, -3.53, 10.03
CIE _{LCh}	100, 10.630, 109.373
Yxy	100.0000, 0.3249, 0.3492
Android (android.graphics.Color)	4294967275 (0xFFFFFFFFEB)
YUV	252.7200, -8.7360, 1.9996
Hunter-Lab	100.0000, -8.9053, 14.6752

Details

The CIELCh color **100, 10.630, 109.373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94, 10.099, 290.972**, and the grayscale version is **99, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 10.085, 109.255** is the 20% darker color. If you saturate the color by 10%, you get **99, 22.769, 108.452**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

Distribution



- Red (100%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 100, 10.630, 109.373 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 100, 10.630, 109.373 by changing the saturation by 10% instead.


 100, 10.630,
109.373


 100, 10.630,
109.373


 90, 10.630,
109.373


 99, 22.769,
108.452

 80, 10.630,
109.373


 99, 35.469,
107.475


 70, 10.630,
109.373


 98, 47.877,
106.517


 60, 10.630,
109.373

 98, 59.780,
105.602

 50, 10.630,
109.373

 98, 70.853,
104.761

 40, 10.630,
109.373

 97, 80.624,
104.031

 30, 10.630,

 97, 88.490,

109.373

103.455

■ 20, 10.630,
109.373

■ 97, 93.859,
103.069

■ 10, 10.630,
109.373

■ 97, 96.508,
102.880

■ 100, 10.630,
109.373

100, 0.012,
296.813

Harmonies

Complementary

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



100, 10.630, 109.373



94, 10.099, 290.972

Rectangle

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



100, 10.630, 109.373



100, 10.630, 159.373



100, 10.630, 289.373



100, 10.630, 339.373

Sweetspot

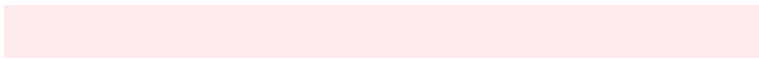
The Sweet Spot groups the original color and five complimentary colors.



100, 9.911, 109.427



100, 2.575, 109.956



95, 7.044, 19.796



53, 1.464, 109.964



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



100, 9.911, 109.427



99, 11.616, 109.299



99, 10.558, 128.741



53, 7.338, 109.250



75, 78.056, 102.852



26, 35.525, 102.993

Inverse Universe

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



94, 10.099, 290.972



93, 11.867, 291.117



94, 10.684, 309.399



49, 7.504, 291.174



23, 107.781, 306.287



3, 44.127, 301.758

Previews

White Background



This preview shows how the CIE LCh color 100, 10.630, 109.373 looks on a white background.

Color Contrast Check

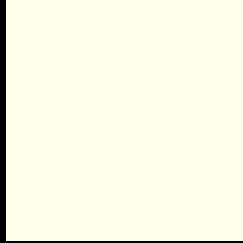
Large Text (above 18pt) WCAG AA × Fail

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 100, 10.630, 109.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

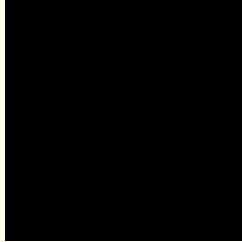
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 10.630, 109.373

Background



This preview shows how black text looks on a background with the CIELCh color 100, 10.630, 109.373.

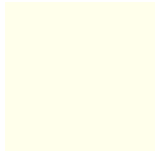


This preview shows how white text looks on a background with the CIELCh color 100, 10.630,

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

100, 10.124, 109.411

Protanopia

100, 1.548, 96.903

Deuteranopia

99, 0.701, 18.511

Tritanopia
99, 1.090, 308.973

Trichromacy



Original Color

100, 10.124, 109.411



Protanomaly

100, 4.566, 105.368



Deuteranomaly

100, 3.555, 104.188



Tritanomaly

100, 3.034, 109.925

Monochromacy



Original Color

100, 10.124, 109.411



Achromatopsia

99, 0.012, 296.813



Achromatomaly

99, 3.541, 109.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 10.630, 109.373 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(255, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 235)  
}
```

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(255, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 100, 10.630, 109.373 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(255, 255, 235) }
```

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

```
.border{ border-color:rgb(255, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 100, 10.630, 109.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 235) }
```

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

```
.background{ background-color: rgb(255,  
255, 235) }
```

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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