

Converting Colors

CIELCh(100, 2.591, 215.835)

Have a look what the booklet for
CIELCh(100, 2.591, 215.835)
contains.

CIELCh(100, 2.081, 199.592)	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(100, 2.081, 199.592)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFFF
RGB	250, 255, 255
RGB Percent	98%, 100%, 100%
CMY	0.0186, 0.0000, 0.0000
CMYK	0.02, 0.00, 0.00, 0.00
HSL	180°, 100%, 99%
HSV	180°, 2%, 100%
XYZ	93.9333, 100.0000, 110.0267
YIQ	253.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

Format	Color
R _Y B	250, 253, 255
Decimal	16449535
CIE _{Lab}	100.00, -1.96, -0.70
CIE _{LCh}	100, 2.081, 199.592
Y _{xy}	100.0000, 0.3090, 0.3290
Android (android.graphics.Color)	4294639615 (0xFFFAFFFF)
Y _{UV}	253.5050, 0.7370, -3.0739
Hunter-Lab	100.0000, -7.3290, 4.7652

Details

The CIELCh color 100, 2.081, 199.592 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 1.668, 19.122, and the grayscale version is 100, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 80, 1.456, 199.670 is the 20% darker color. If you saturate the color by 10%, you get 98, 10.252, 198.823, and if you desaturate by 10%, it is 100, 0.012, 296.813.

Distribution



- Red (98%)
- Green (100%)
- Blue (100%)



- Red (98%)
- Yellow (99%)
- Blue (100%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 100, 2.081, 199.592 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, 2.081, 199.592 by changing the saturation by 10% instead.

100, 2.081,
199.592

100, 2.081,
199.592

90, 2.081, 199.592

98, 10.252,
198.823

80, 2.081, 199.592

96, 18.327,
198.293

70, 2.081, 199.592

60, 2.081, 199.592

95, 25.729,
197.831

50, 2.081, 199.592

94, 32.310,
197.430

40, 2.081, 199.592

30, 2.081, 199.592

93, 37.939,
197.094

20, 2.081, 199.592

92, 42.511,
196.825

10, 2.081, 199.592

92, 45.968,

196.625

■ 91, 48.314,
196.489

■ 91, 49.631,
196.414

■ 100, 2.081,
199.592

■ 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, 2.081, 199.592



99, 1.668, 19.122

Rectangle

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



100, 2.081, 199.592



100, 2.081, 249.592



100, 2.081, 19.592



100, 2.081, 69.592

Sweetspot

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



100, 1.646, 199.703



100, 0.886, 200.097



100, 2.933, 144.443



53, 0.504, 200.139



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, 1.646, 199.703



100, 1.770, 199.667



99, 1.459, 255.949



53, 1.006, 199.692



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

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



99, 2.954, 324.440



99, 3.176, 324.455



99, 1.448, 74.889



53, 1.806, 324.445



45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



The preview shows how the C1E1F1 color (100, 216, 249, 42) looks on a white background.

Color Contrast Check

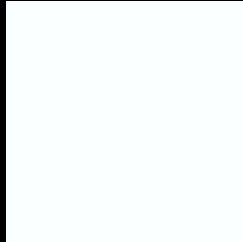
Large Text (above 18pt) WCAG AA × Fail

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 100, 2.081, 199.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

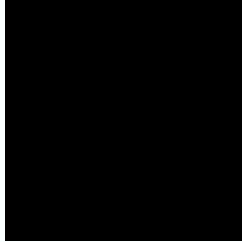
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 2.081, 199.592

Background



This preview shows how black text looks on a background with the CIELCh color 100, 2.081, 199.592.



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, 1.735, 199.677

Protanopia
100, 0.351, 17.546

Deuteranopia
100, 0.351, 17.546

Tritanopia

100, 0.519, 290.364

Trichromacy

Original Color

100, 1.735, 199.677

Protanomaly

100, 0.347, 201.285

Deuteranomaly

100, 0.347, 201.285

Tritanomaly

100, 0.620, 256.225

Monochromacy

Original Color

100, 1.735, 199.677

Achromatopsia

100, 0.012, 296.813

Achromatomaly

100, 0.347, 201.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 2.081, 199.592 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text is the color `rgb(250, 255, 255)` CSS property.

```
.text, #text, p{  
    color:rgb(250, 255, 255)  
}
```

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(250, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 100, 2.081, 199.592 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(250, 255, 255) }
```

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

```
.border{ border-color:rgb(250, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 100, 2.081, 199.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 255) }
```

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

```
.background{ background-color: rgb(250,  
255, 255) }
```

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