

Converting Colors

CIELCh(92, 17.963, 286.987)

Have a look what the booklet for
CIELCh(92, 17.963, 286.987)
contains.

CIELCh(92, 12.994, 285.232)	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(92, 12.994, 285.232)

Conversions

Conversions Part 1

Format	Color
Hex	E3E7FF
RGB	227, 231, 255
RGB Percent	89%, 91%, 100%
CMY	0.1101, 0.0944, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	231°, 100%, 94%
HSV	231°, 11%, 100%
XYZ	78.4071, 80.7044, 106.8452
YIQ	232.5400, -10.0880, 6.6160

Conversions

Conversions Part 2

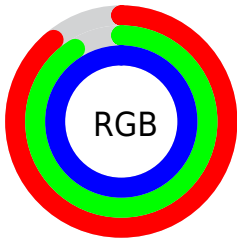
Format	Color
R _Y B	227, 231, 255
Decimal	14936063
CIE Lab	92.00, 3.41, -12.54
CIE LCh	92, 12.994, 285.232
Yxy	80.7044, 0.2948, 0.3034
Android (android.graphics.Color)	4293126143 (0xFFE3E7FF)
YUV	232.5400, 11.0728, -4.8586
Hunter-Lab	89.8356, -1.4204, -7.6311

Details

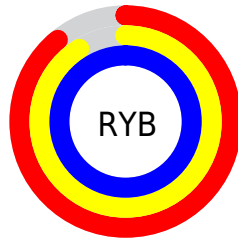
The CIELCh color `92, 12.994, 285.232` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `98, 12.295, 102.431`, and the grayscale version is `92, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `72, 12.559, 286.562` is the 20% darker color. If you saturate the color by 10%, you get `85, 24.272, 286.324`, and if you desaturate by 10%, it is `99, 1.141, 283.888`.

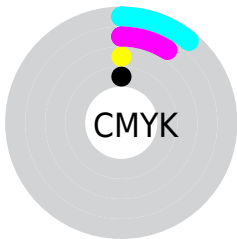
Distribution



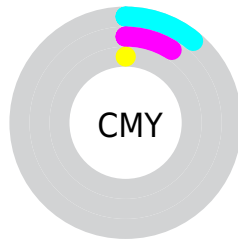
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 12.994, 285.232 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 92, 12.994, 285.232 by changing the saturation by 10% instead.


 92, 12.994,
285.232


 92, 12.994,
285.232


 100, 12.994,
285.232


 82, 12.994,
285.232

 72, 12.994,
285.232

 62, 12.994,
285.232

 52, 12.994,
285.232

 42, 12.994,
285.232

 32, 12.994,
285.232

 22, 12.994,

285.232

■ 12, 12.994,
285.232

■ 2, 12.994, 285.232

■ 92, 12.994,
285.232

■ 92, 12.994,
285.232

■ 85, 24.272,
286.324

■ 99, 1.141, 283.888

■ 77, 36.459,
287.944

100, 0.012,
296.813

■ 70, 49.112,
289.842

■ 63, 62.259,
292.040

■ 56, 75.885,
294.531

■ 49, 89.836,
297.248

■ 43, 103.634,
300.027

■ 38, 116.247,
302.601

■ 35, 125.318,
304.451

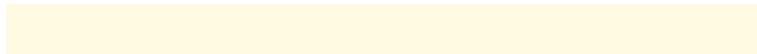
Harmonies

Complementary

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



92, 12.994, 285.232



98, 12.295, 102.431

Rectangle

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



92, 12.994, 285.232



92, 12.994, 335.232



92, 12.994, 105.232



92, 12.994, 155.232

Sweetspot

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



92, 12.510, 284.947



98, 3.372, 284.020



98, 9.889, 186.261



52, 2.558, 284.101



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 12.510, 284.947



91, 14.817, 285.202



92, 14.994, 304.275



49, 6.444, 284.759



25, 99.760, 304.113



5, 39.590, 299.057

Inverse Universe

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



93, 10.383, 8.671



91, 12.331, 8.883



99, 14.693, 123.085



50, 5.336, 8.512



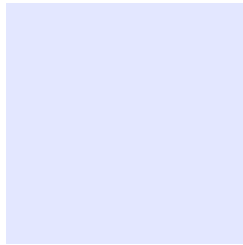
40, 77.858, 33.546



10, 32.325, 21.332

Previews

White Background



This preview shows how the CIE LCh color 92, 12.994, 285.232 looks on a white background.

Color Contrast Check

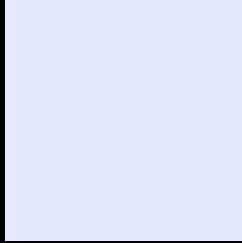
Large Text (above 18pt) WCAG AA × Fail

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 92, 12.994, 285.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

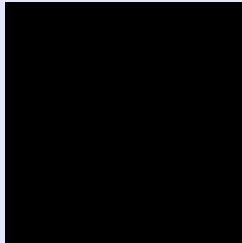
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 92, 12.994, 285.232

Background



This preview shows how black text looks on a background with the CIELCh color 92, 12.994, 285.232.



This preview shows how white text looks on a background with the CIELCh color 92, 12.994, 285.232.

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

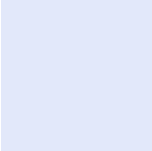
92, 12.470, 284.928

Protanopia

92, 12.946, 289.706

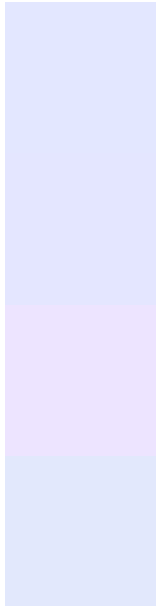
Deuteranopia

92, 16.200, 312.498



Tritanopia
92, 9.498, 278.458

Trichromacy



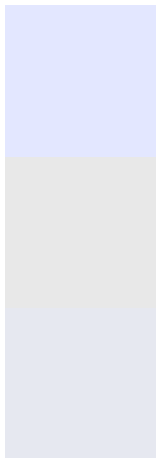
Original Color
92, 12.470, 284.928

Protanomaly
92, 12.954, 288.208

Deuteranomaly
92, 14.373, 303.648

Tritanomaly
92, 10.508, 279.795

Monochromacy



Original Color
92, 12.470, 284.928

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 4.191, 280.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 12.994, 285.232 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(227, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 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(227, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 12.994, 285.232 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(227, 231, 255) }
```

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

```
.border{ border-color:rgb(227, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 231,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 12.994, 285.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 231, 255) }
```

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

```
.background{ background-color: rgb(227,  
231, 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](#).

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