

Converting Colors

CIELCh(91, 2.386, 302.475)

Have a look what the booklet for
CIELCh(91, 2.386, 302.475) contains.

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Color

CIELCh(91, 2.117, 299.999)

Conversions

Conversions Part 1

Format	Color
Hex	E6E5E9
RGB	230, 229, 233
RGB Percent	90%, 90%, 91%
CMY	0.0994, 0.1033, 0.0876
CMYK	0.01, 0.02, 0.00, 0.09
HSL	255°, 8%, 90%
HSV	255°, 2%, 91%
XYZ	75.1108, 78.4833, 88.0282
YIQ	229.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

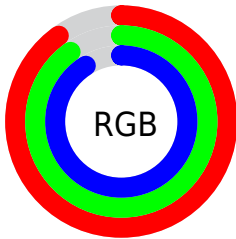
Format	Color
R_{YB}	230, 229, 233
Decimal	15132137
CIE Lab	91.00, 1.06, -1.83
CIE LCh	91, 2.117, 299.999
Yxy	78.4833, 0.3109, 0.3248
Android (android.graphics.Color)	4293322217 (0xFFE6E5E9)
YUV	229.7550, 1.5998, 0.2149
Hunter-Lab	88.5908, -3.6945, 3.1001

Details

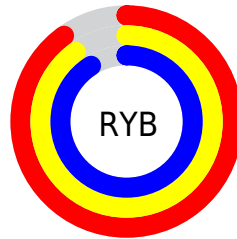
The CIELCh color **91, 2.117, 299.999** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92, 2.087, 119.791**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 1.691, 303.105** is the 20% darker color. If you saturate the color by 10%, you get **84, 14.637, 300.658**, and if you desaturate by 10%, it is **98, 9.950, 119.408**.

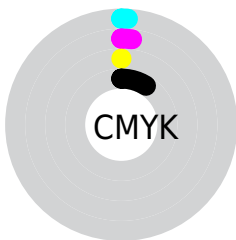
Distribution



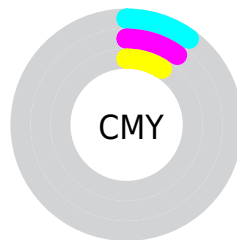
- Red (90%)
- Green (90%)
- Blue (91%)



- Red (90%)
- Yellow (90%)
- Blue (91%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 2.117, 299.999 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 91, 2.117, 299.999 by changing the saturation by 10% instead.

■ 91, 2.117, 299.999

■ 91, 2.117, 299.999

100, 2.117,
299.999

■ 81, 2.117, 299.999

■ 71, 2.117, 299.999

■ 61, 2.117, 299.999

■ 51, 2.117, 299.999

■ 41, 2.117, 299.999

■ 31, 2.117, 299.999

■ 21, 2.117, 299.999

■ 11, 2.117, 299.999

■ 1, 2.117, 299.999

91, 2.117, 299.999

91, 2.117, 299.999

84, 14.637,
300.658

98, 9.950, 119.408

77, 27.633,
301.432

99, 11.306,
109.323

69, 41.103,
302.310

62, 55.004,
303.290

55, 69.211,
304.353

49, 83.426,
305.448

43, 97.042,
306.478

37, 108.997,
307.283

■ 33, 117.827,
307.655

Harmonies

Complementary

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



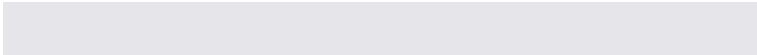
91, 2.117, 299.999



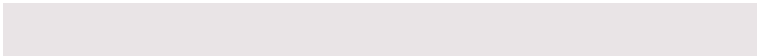
92, 2.087, 119.791

Rectangle

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



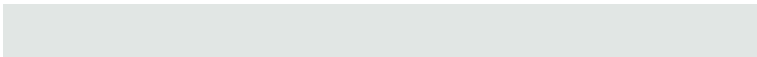
91, 2.117, 299.999



91, 2.117, 349.999



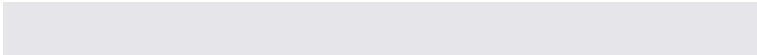
91, 2.117, 119.999



91, 2.117, 169.999

Sweetspot

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



91, 2.115, 299.971



99, 1.330, 299.916



92, 1.182, 223.978



53, 0.756, 299.911



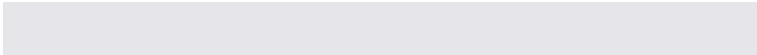
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 2.115, 299.971



98, 2.652, 299.992



91, 2.337, 316.761



49, 1.408, 299.984



23, 101.217, 307.739



3, 36.423, 303.710

Inverse Universe

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



91, 2.126, 332.253



99, 2.667, 332.296



92, 2.315, 136.799



49, 1.416, 332.280



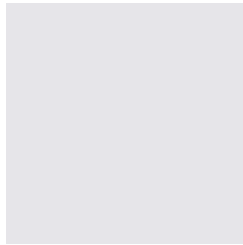
41, 73.866, 341.285



8, 32.468, 338.928

Previews

White Background



This preview shows how the CIE LCh color 91, 2.117, 299.999 looks on a white background.

Color Contrast Check

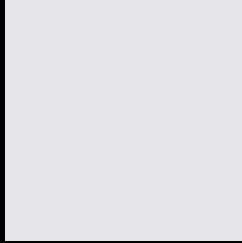
Large Text (above 18pt) WCAG AA × Fail

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 91, 2.117, 299.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

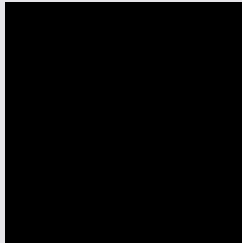
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

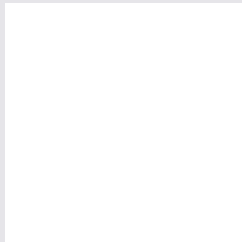
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 2.117, 299.999

Background



This preview shows how black text looks on a background with the CIELCh color 91, 2.117, 299.999.

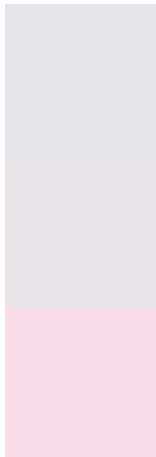


This preview shows how white text looks on a background with the CIELCh color 91, 2.117, 299.999.

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

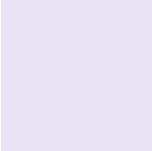
91, 2.117, 299.999

Protanopia

91, 2.536, 324.423

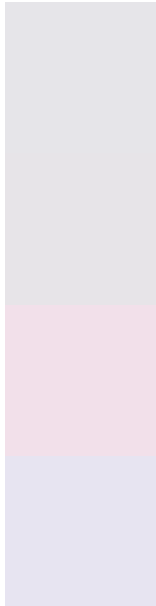
Deuteranopia

91, 11.536, 347.683



Tritanopia
91, 9.530, 301.410

Trichromacy



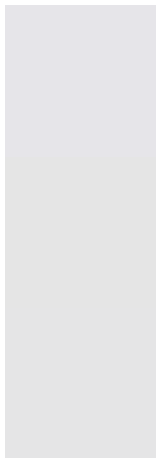
Original Color
91, 2.117, 299.999

Protanomaly
91, 2.352, 317.276

Deuteranomaly
91, 8.293, 341.309

Tritanomaly
91, 6.843, 299.526

Monochromacy



Original Color
91, 2.117, 299.999

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 0.528, 290.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 2.117, 299.999 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(230, 229, 233)` looks like.

```
.text, #text, p{  
    color:rgb(230, 229, 233)  
}
```

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(230, 229, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 229, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 2.117, 299.999 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(230, 229, 233) }
```

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

```
.border{ border-color:rgb(230, 229, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 229, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 229, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 229, 233);  
box-shadow:4px 4px 4px 4px rgb(230, 229,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 2.117, 299.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 229, 233) }
```

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

```
.background{ background-color: rgb(230,  
229, 233) }
```

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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