

Converting Colors

CIE LCh(91, 3.200, 222.595)

Have a look what the booklet for
CIELCh(91, 3.200, 222.595) contains.

CIELCh(91, 3.310, 217.654)	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(91, 3.310, 217.654)

Conversions

Conversions Part 1

Format	Color
Hex	DEE7E9
RGB	222, 231, 233
RGB Percent	87%, 91%, 91%
CMY	0.1298, 0.0945, 0.0867
CMYK	0.05, 0.01, 0.00, 0.09
HSL	191°, 20%, 89%
HSV	191°, 5%, 91%
XYZ	73.3317, 78.4833, 88.2958
YIQ	228.5370, -6.0060, -1.2860

Conversions

Conversions Part 2

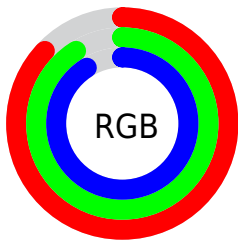
Format	Color
R _Y B	222, 227, 233
Decimal	14608361
CIE Lab	91.00, -2.62, -2.02
CIE LCh	91, 3.310, 217.654
Yxy	78.4833, 0.3054, 0.3269
Android (android.graphics.Color)	4292798441 (0xFFDEE7E9)
YUV	228.5370, 2.2003, -5.7329
Hunter-Lab	88.5908, -7.2792, 2.9210

Details

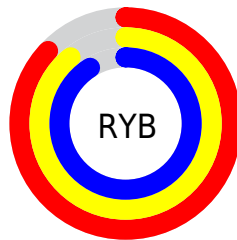
The CIELCh color **91, 3.310, 217.654** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90, 3.406, 37.116**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 3.130, 219.779** is the 20% darker color. If you saturate the color by 10%, you get **88, 10.053, 217.756**, and if you desaturate by 10%, it is **94, 3.774, 37.124**.

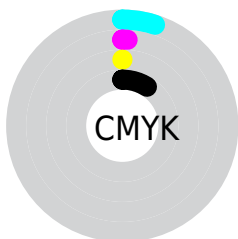
Distribution



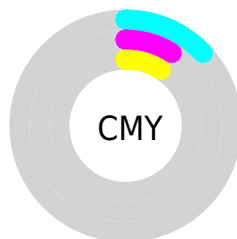
- Red (87%)
- Green (91%)
- Blue (91%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 3.310, 217.654 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, 3.310, 217.654 by changing the saturation by 10% instead.

■ 91, 3.310, 217.654

■ 91, 3.310, 217.654

■ 100, 3.310,
217.654

■ 81, 3.310, 217.654

■ 71, 3.310, 217.654

■ 61, 3.310, 217.654

■ 51, 3.310, 217.654

■ 41, 3.310, 217.654

■ 31, 3.310, 217.654

■ 21, 3.310, 217.654

■ 11, 3.310, 217.654

■ 1, 3.310, 217.654

91, 3.310, 217.654

91, 3.310, 217.654

88, 10.053,
217.756

94, 3.774, 37.124

86, 16.356,
218.154

96, 6.530, 49.951

83, 22.114,
218.766

97, 6.814, 72.483

81, 27.215,
219.636

98, 7.999, 90.638

79, 31.555,
220.823

99, 9.757, 103.135

99, 11.188,
109.331

77, 35.052,
222.401

75, 37.665,
224.448

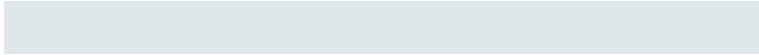
74, 39.418,
227.043

■ 72, 40.420,
230.239

Harmonies

Complementary

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



91, 3.310, 217.654



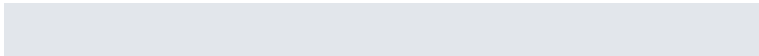
90, 3.406, 37.116

Rectangle

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



91, 3.310, 217.654



91, 3.310, 267.654



91, 3.310, 37.654



91, 3.310, 87.654

Sweetspot

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



91, 3.311, 217.615



100, 0.763, 218.226



91, 6.188, 149.154



53, 0.434, 218.270



0, 0.000, 0.000



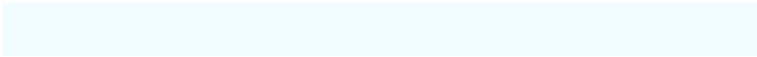
53, 0.007, 296.813

Same Dimension

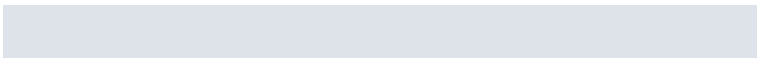
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 3.311, 217.615



98, 4.512, 217.603



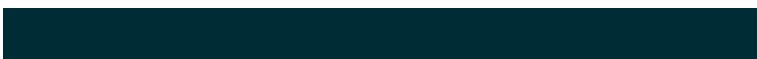
90, 4.010, 271.789



48, 2.791, 217.603



57, 33.741, 231.461



16, 14.423, 225.684

Inverse Universe

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



90, 6.145, 330.123



96, 8.409, 330.216



91, 3.996, 90.475



47, 5.211, 330.256



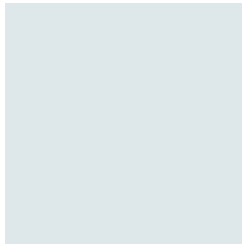
41, 77.606, 337.034



9, 33.909, 335.525

Previews

White Background



This preview shows how the CIELCh color 91, 3.310, 217.654 looks on a white background.

Color Contrast Check

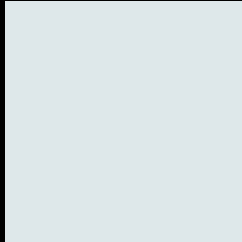
Large Text (above 18pt) WCAG AA × Fail

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, 3.310, 217.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

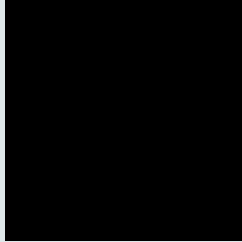
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

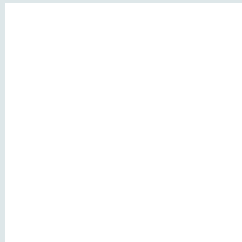
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 3.310, 217.654

Background



This preview shows how black text looks on a background with the CIELCh color 91, 3.310, 217.654.

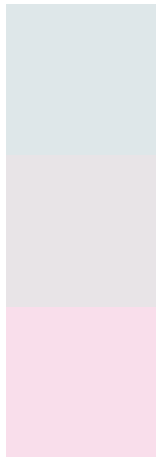


This preview shows how white text looks on a background with the CIELCh color 91, 3.310, 217.654.

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

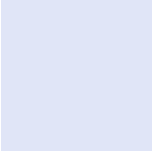
91, 3.310, 217.654

Protanopia

91, 2.129, 332.282

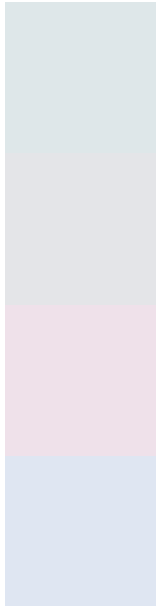
Deuteranopia

91, 11.814, 345.557



Tritanopia
91, 9.460, 280.495

Trichromacy



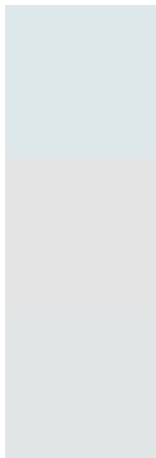
Original Color
91, 3.310, 217.654

Protanomaly
91, 1.598, 277.563

Deuteranomaly
91, 6.867, 337.055

Tritanomaly
91, 6.634, 269.298

Monochromacy



Original Color
91, 3.310, 217.654

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.179, 225.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 3.310, 217.654 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(222, 231, 233)` looks like.

```
.text, #text, p{  
    color:rgb(222, 231, 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(222, 231, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 231, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 3.310, 217.654 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(222, 231, 233) }
```

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

```
.border{ border-color:rgb(222, 231, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 231, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 231, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 231, 233);  
box-shadow:4px 4px 4px 4px rgb(222, 231,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 3.310, 217.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 231, 233) }
```

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

```
.background{ background-color: rgb(222,  
231, 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](#).

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