

Converting Colors

CIELCh(90, 3.451, 314.765)

Have a look what the booklet for
CIELCh(90, 3.451, 314.765) contains.

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Color

CIELCh(90, 3.451, 314.721)

Conversions

Conversions Part 1

Format	Color
Hex	E5E1E7
RGB	229, 225, 231
RGB Percent	90%, 88%, 91%
CMY	0.1018, 0.1175, 0.0940
CMYK	0.01, 0.03, 0.00, 0.09
HSL	280°, 11%, 89%
HSV	280°, 3%, 91%
XYZ	73.6866, 76.3034, 86.4706
YIQ	226.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

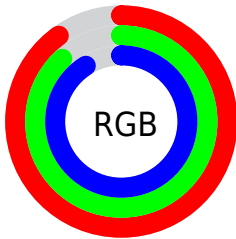
Format	Color
R _Y B	229, 225, 231
Decimal	15065575
CIE Lab	90.00, 2.43, -2.45
CIE LCh	90, 3.451, 314.721
Yxy	76.3034, 0.3116, 0.3227
Android (android.graphics.Color)	4293255655 (0xFFE5E1E7)
YUV	226.8800, 2.0312, 1.8592
Hunter-Lab	87.3518, -2.2900, 2.4544

Details

The CIELCh color **90, 3.451, 314.721** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 3.421, 134.612**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 3.142, 318.875** is the 20% darker color. If you saturate the color by 10%, you get **84, 16.900, 315.180**, and if you desaturate by 10%, it is **96, 9.667, 134.392**.

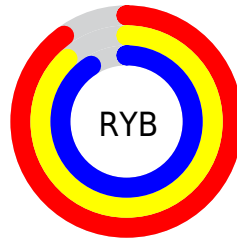
Distribution



Red (90%)

Green (88%)

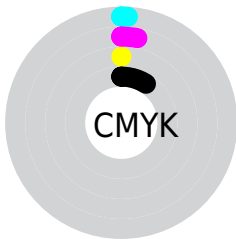
Blue (91%)



Red (90%)

Yellow (88%)

Blue (91%)

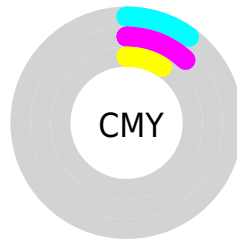


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (12%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.451, 314.721 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 90, 3.451, 314.721 by changing the saturation by 10% instead.

■ 90, 3.451, 314.721

■ 90, 3.451, 314.721

100, 3.451,
314.721

■ 80, 3.451, 314.721

■ 70, 3.451, 314.721

■ 60, 3.451, 314.721

■ 50, 3.451, 314.721

■ 40, 3.451, 314.721

■ 30, 3.451, 314.721

■ 20, 3.451, 314.721

■ 10, 3.451, 314.721

■ 0, 3.451, 314.721

90, 3.451, 314.721

90, 3.451, 314.721

84, 16.900,
315.180

96, 9.667, 134.392

77, 30.619,
315.626

99, 12.760,
126.523

71, 44.481,
316.071

99, 12.185,
114.099

65, 58.275,
316.496

99, 12.129,
109.261

60, 71.669,
316.867

55, 84.169,
317.138

50, 95.115,
317.246

46, 103.750,
317.118

■ 44, 109.439,
316.682

Harmonies

Complementary

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



90, 3.451, 314.721



91, 3.421, 134.612

Rectangle

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



90, 3.451, 314.721



90, 3.451, 4.721



90, 3.451, 134.721



90, 3.451, 184.721

Sweetspot

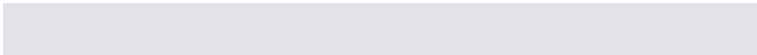
The Sweet Spot groups the original color and five complimentary colors.



90, 3.449, 314.714



99, 1.443, 314.562



90, 2.152, 270.225



53, 0.821, 314.553



0, 0.000, 0.000



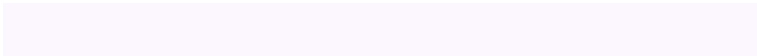
53, 0.007, 296.813

Same Dimension

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



90, 3.449, 314.714



98, 4.319, 314.739



90, 3.428, 328.902



47, 3.004, 314.780



32, 92.198, 316.351



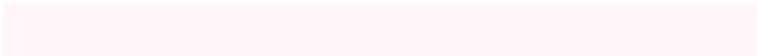
5, 36.582, 316.948

Inverse Universe

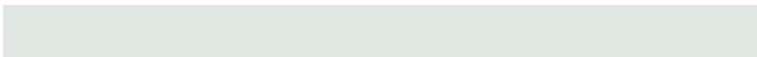
The Inverse Universe completely reimagines the original color for something new.



90, 2.400, 353.698



98, 3.007, 353.767



91, 3.409, 148.783



47, 2.093, 353.876



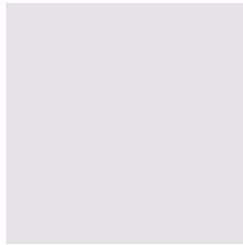
38, 66.084, 17.870



7, 26.705, 6.560

Previews

White Background



This preview shows how the CIELCh color 90, 3.451, 314.721 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 90, 3.451, 314.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

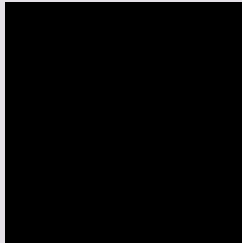
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

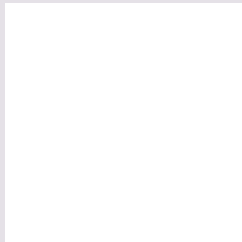
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.451, 314.721

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.451, 314.721.



This preview shows how white text looks on a background with the CIELCh color 90, 3.451, 314.721.

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](#).

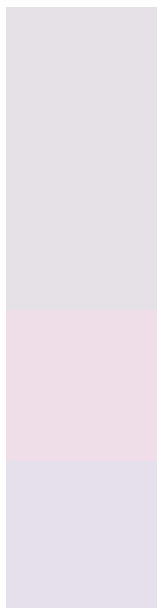
Dichromacy





Tritanopia
90, 9.816, 307.447

Trichromacy



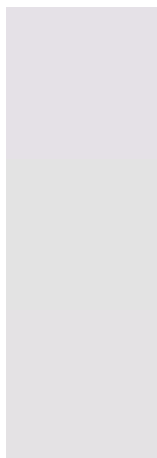
Original Color
90, 3.451, 314.721

Protanomaly
90, 3.451, 314.721

Deuteranomaly
90, 8.645, 338.632

Tritanomaly
90, 7.115, 307.949

Monochromacy



Original Color
90, 3.451, 314.721

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.276, 324.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.451, 314.721 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(229, 225, 231)` looks like.

```
.text, #text, p{  
    color:rgb(229, 225, 231)  
}
```

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(229, 225, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 225, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.451, 314.721 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(229, 225, 231) }
```

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

```
.border{ border-color:rgb(229, 225, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 225, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 225, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 225, 231);  
box-shadow:4px 4px 4px 4px rgb(229, 225,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.451, 314.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 225, 231) }
```

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

```
.background{ background-color: rgb(229,  
225, 231) }
```

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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