

Converting Colors

CIE LCh(90, 1.885, 214.124)

Have a look what the booklet for
CIELCh(90, 1.885, 214.124) contains.

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Color

CIELCh(90, 1.840, 216.036)

Conversions

Conversions Part 1

Format	Color
Hex	DEE3E4
RGB	222, 227, 228
RGB Percent	87%, 89%, 89%
CMY	0.1282, 0.1086, 0.1047
CMYK	0.03, 0.00, 0.00, 0.10
HSL	190°, 10%, 88%
HSV	190°, 3%, 90%
XYZ	71.8178, 76.3034, 84.5664
YIQ	225.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

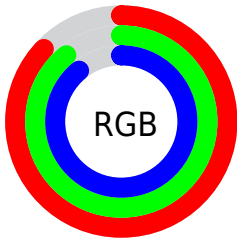
Format	Color
RYB	222, 225, 228
Decimal	14607332
CIELab	90.00, -1.49, -1.08
CIElCh	90, 1.840, 216.036
Yxy	76.3034, 0.3086, 0.3279
Android (android.graphics.Color)	4292797412 (0xFFDEE3E4)
YUV	225.6190, 1.1738, -3.1739
Hunter-Lab	87.3518, -6.1087, 3.7468

Details

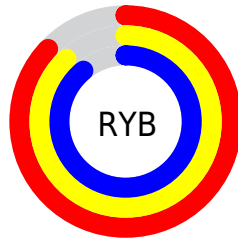
The CIELCh color `90, 1.840, 216.036` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 1.868, 35.277`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 1.933, 215.970` is the 20% darker color. If you saturate the color by 10%, you get `87, 8.617, 215.867`, and if you desaturate by 10%, it is `93, 5.260, 35.467`.

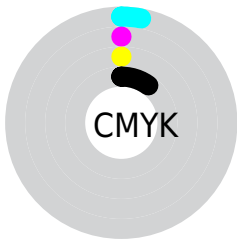
Distribution



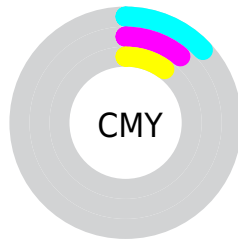
- Red (87%)
- Green (89%)
- Blue (89%)



- Red (87%)
- Yellow (88%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 1.840, 216.036 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, 1.840, 216.036 by changing the saturation by 10% instead.

■ 90, 1.840, 216.036

■ 90, 1.840, 216.036

■ 100, 1.840,
216.036

■ 80, 1.840, 216.036

■ 70, 1.840, 216.036

■ 60, 1.840, 216.036

■ 50, 1.840, 216.036

■ 40, 1.840, 216.036

■ 30, 1.840, 216.036

■ 20, 1.840, 216.036

■ 10, 1.840, 216.036

■ 0, 1.840, 216.036

90, 1.840, 216.036

90, 1.840, 216.036

87, 8.617, 215.867

93, 5.260, 35.467

85, 14.973,
216.135

94, 8.048, 44.515

95, 7.948, 61.427

83, 20.803,
216.598

96, 8.529, 77.314

81, 25.995,
217.288

97, 9.663, 90.277

79, 30.442,
218.259

98, 11.178,
100.082

77, 34.054,
219.574

99, 12.939,
107.346

75, 36.777,
221.305

99, 13.506,
109.157

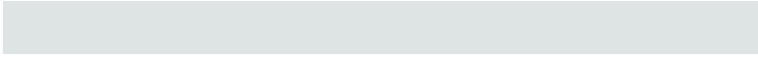
74, 38.614,
223.524

■ 72, 39.646,
226.293

Harmonies

Complementary

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



90, 1.840, 216.036



89, 1.868, 35.277

Rectangle

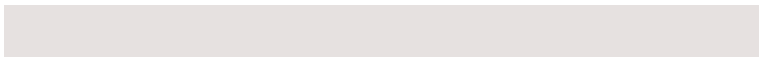
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



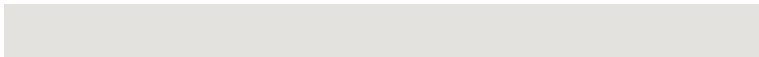
90, 1.840, 216.036



90, 1.840, 266.036



90, 1.840, 36.036



90, 1.840, 86.036

Sweetspot

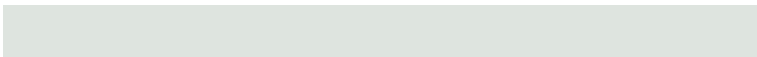
The Sweet Spot groups the original color and five complimentary colors.



90, 1.841, 215.966



100, 0.770, 216.479



90, 3.421, 148.780



53, 0.438, 216.523



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

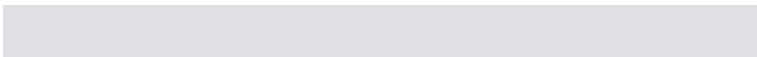
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 1.841, 215.966



99, 2.295, 215.928



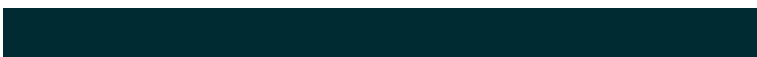
89, 2.159, 270.227



48, 1.593, 215.879



57, 33.316, 228.054



15, 14.028, 222.537

Inverse Universe

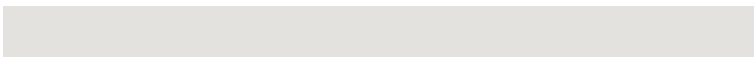
The Inverse Universe completely reimagines the original color for something new.



89, 3.401, 329.432



98, 4.245, 329.468



90, 2.143, 89.314



47, 2.952, 329.531



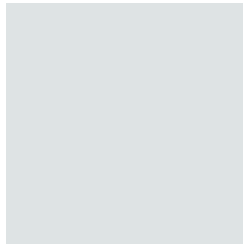
41, 77.707, 336.136



8, 33.252, 334.726

Previews

White Background



This preview shows how the CIELCh color 90, 1.840, 216.036 looks on a white background.

Color Contrast Check

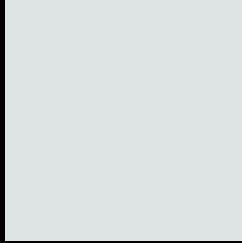
Large Text (above 18pt) WCAG AA × Fail

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, 1.840, 216.036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

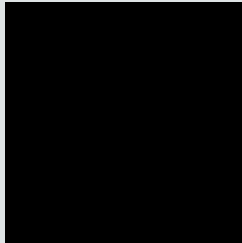
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

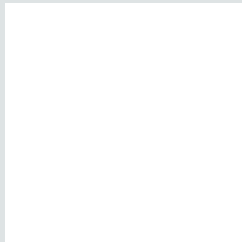
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 1.840, 216.036

Background



This preview shows how black text looks on a background with the CIELCh color 90, 1.840, 216.036.

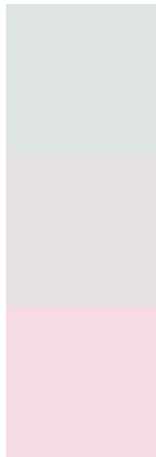


This preview shows how white text looks on a background with the CIELCh color 90, 1.840, 216.036.

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

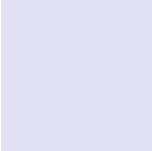
90, 1.840, 216.036

Protanopia

90, 2.084, 349.371

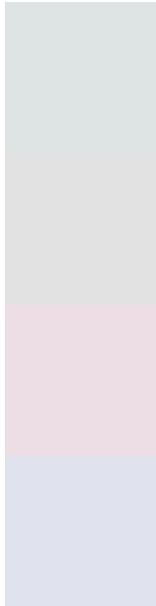
Deuteranopia

90, 11.304, 349.926



Tritanopia
90, 9.364, 290.941

Trichromacy



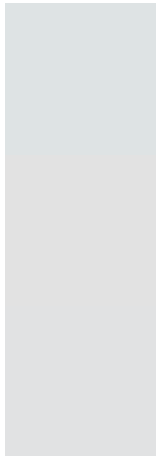
Original Color
90, 1.840, 216.036

Protanomaly
90, 0.643, 324.026

Deuteranomaly
90, 6.523, 345.955

Tritanomaly
90, 6.269, 284.312

Monochromacy



Original Color
90, 1.840, 216.036

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.633, 256.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 1.840, 216.036 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, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 228)  
}
```

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, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 1.840, 216.036 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, 227, 228) }
```

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

```
.border{ border-color:rgb(222, 227, 228) }
```

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

Here you see how a box with a 4 pixel rgb(222, 227, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(222, 227,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 1.840, 216.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 227, 228) }
```

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

```
.background{ background-color: rgb(222,  
227, 228) }
```

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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