

Converting Colors

CIELCh(90, 2.026, 199.604)

Have a look what the booklet for
CIELCh(90, 2.026, 199.604) contains.

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Color

CIELCh(90, 2.124, 199.545)

Conversions

Conversions Part 1

Format	Color
Hex	DEE4E4
RGB	222, 228, 228
RGB Percent	87%, 89%, 89%
CMY	0.1310, 0.1075, 0.1075
CMYK	0.03, 0.00, 0.00, 0.11
HSL	180°, 10%, 88%
HSV	180°, 3%, 89%
XYZ	71.5751, 76.3034, 84.0542
YIQ	226.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

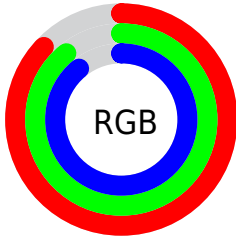
Format	Color
R_{YB}	222, 225, 228
Decimal	14607588
CIE _{Lab}	90.00, -2.00, -0.71
CIE _{LCh}	90, 2.124, 199.545
Yxy	76.3034, 0.3086, 0.3290
Android (android.graphics.Color)	4292797668 (0xFFDEE4E4)
YUV	226.2060, 0.8844, -3.6887
Hunter-Lab	87.3518, -6.6048, 4.0945

Details

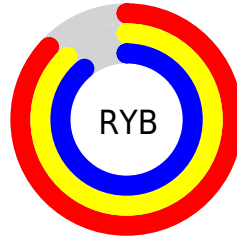
The CIELCh color **90, 2.124, 199.545** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 2.162, 19.233**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.233, 199.438** is the 20% darker color. If you saturate the color by 10%, you get **88, 9.942, 198.729**, and if you desaturate by 10%, it is **92, 6.058, 19.678**.

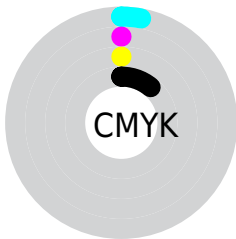
Distribution



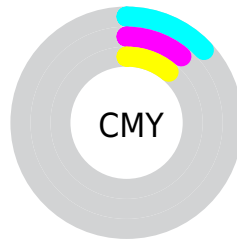
- Red (87%)
- Green (89%)
- Blue (89%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.124, 199.545 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, 2.124, 199.545 by changing the saturation by 10% instead.

■ 90, 2.124, 199.545

■ 90, 2.124, 199.545

■ 100, 2.124,
199.545

■ 80, 2.124, 199.545

■ 70, 2.124, 199.545

■ 60, 2.124, 199.545

■ 50, 2.124, 199.545

■ 40, 2.124, 199.545

■ 30, 2.124, 199.545

■ 20, 2.124, 199.545

■ 10, 2.124, 199.545

■ 0, 2.124, 199.545

90, 2.124, 199.545

90, 2.124, 199.545

88, 9.942, 198.729

92, 6.058, 19.678

87, 17.271,
198.206

93, 9.981, 19.972

86, 23.981,
197.748

93, 9.981, 19.930

85, 29.940,
197.350

93, 9.981, 19.889

84, 35.031,
197.015

93, 9.981, 19.848

83, 39.161,
196.747

93, 9.981, 19.807

83, 42.280,
196.544

93, 9.980, 19.765

83, 44.394,
196.405

93, 9.980, 19.724

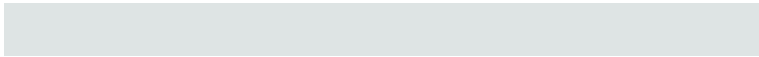
93, 9.980, 19.683

■ 82, 45.577,
196.324

Harmonies

Complementary

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



90, 2.124, 199.545



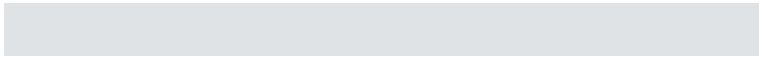
89, 2.162, 19.233

Rectangle

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



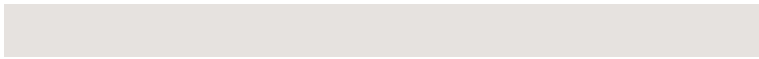
90, 2.124, 199.545



90, 2.124, 249.545



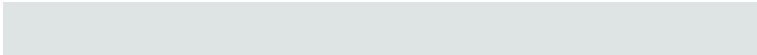
90, 2.124, 19.545



90, 2.124, 69.545

Sweetspot

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



90, 2.125, 199.493



100, 0.886, 200.045



90, 3.777, 143.929



53, 0.504, 200.087



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

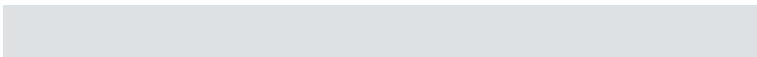
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.125, 199.493



99, 2.650, 199.435



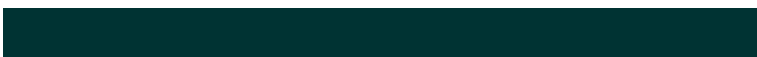
89, 1.859, 254.135



48, 1.839, 199.343



66, 38.363, 196.292



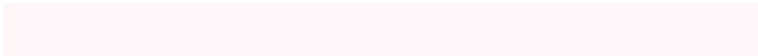
18, 16.098, 196.307

Inverse Universe

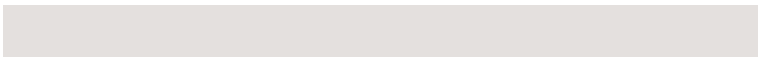
The Inverse Universe completely reimagines the original color for something new.



89, 2.162, 19.233



98, 2.702, 19.292



90, 1.857, 73.053



47, 1.884, 19.389



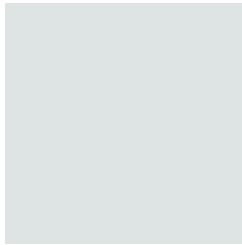
37, 79.956, 39.946



6, 27.103, 21.732

Previews

White Background



This preview shows how the CIELCh color 90, 2.124, 199.545 looks on a white background.

Color Contrast Check

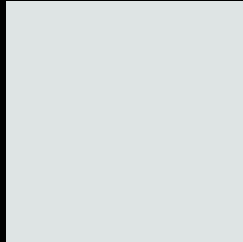
Large Text (above 18pt) WCAG AA × Fail

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, 2.124, 199.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

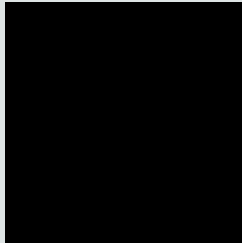
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

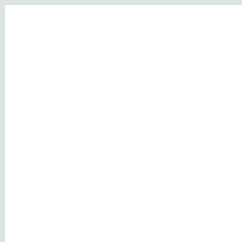
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.124, 199.545

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.124, 199.545.

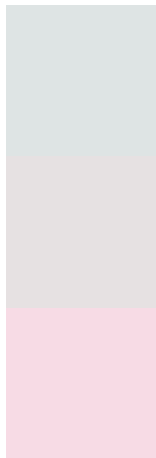


This preview shows how white text looks on a background with the CIELCh color 90, 2.124, 199.545.

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

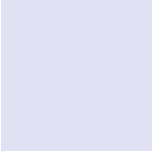
90, 2.124, 199.545

Protanopia

90, 1.874, 3.144

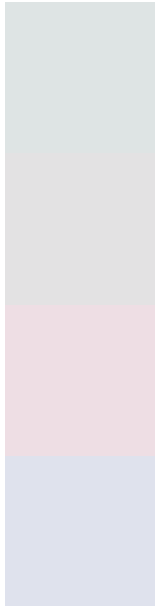
Deuteranopia

90, 11.384, 353.156



Tritanopia
90, 9.365, 288.830

Trichromacy



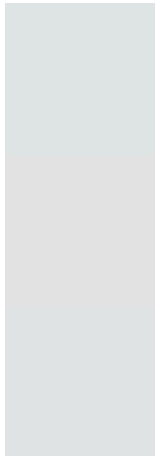
Original Color
90, 2.124, 199.545

Protanomaly
90, 0.643, 324.026

Deuteranomaly
90, 6.566, 351.515

Tritanomaly
90, 5.800, 280.262

Monochromacy



Original Color
90, 2.124, 199.545

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.065, 199.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.124, 199.545 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, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(222, 228, 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, 228, 228) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 90, 2.124, 199.545 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, 228, 228) }
```

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

```
.border{ border-color:rgb(222, 228, 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, 228, 228)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 90, 2.124, 199.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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