

Converting Colors

CIELCh(90, 2.613, 210.418)

Have a look what the booklet for
CIELCh(90, 2.613, 210.418) contains.

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Color

CIELCh(90, 2.519, 211.386)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4E5
RGB	221, 228, 229
RGB Percent	87%, 89%, 90%
CMY	0.1344, 0.1070, 0.1031
CMYK	0.03, 0.00, 0.00, 0.10
HSL	187°, 13%, 88%
HSV	187°, 3%, 90%
XYZ	71.5048, 76.3034, 84.8834
YIQ	226.0210, -4.4930, -1.1730

Conversions

Conversions Part 2

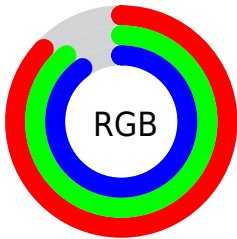
Format	Color
R _Y B	221, 225, 229
Decimal	14542053
CIE Lab	90.00, -2.15, -1.31
CIE LCh	90, 2.519, 211.386
Yxy	76.3034, 0.3073, 0.3279
Android (android.graphics.Color)	4292732133 (0xFFDDE4E5)
YUV	226.0210, 1.4686, -4.4034
Hunter-Lab	87.3518, -6.7483, 3.5317

Details

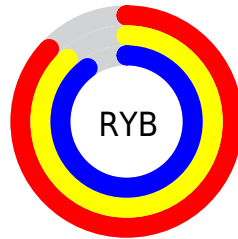
The CIELCh color **90, 2.519, 211.386** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 2.575, 30.936**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.645, 211.324** is the 20% darker color. If you saturate the color by 10%, you get **88, 9.475, 211.129**, and if you desaturate by 10%, it is **92, 4.784, 31.081**.

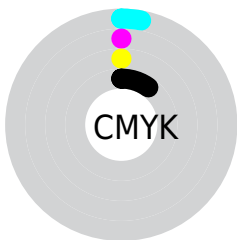
Distribution



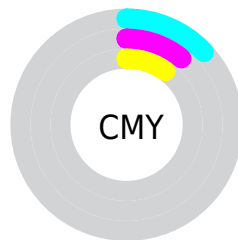
- Red (87%)
- Green (89%)
- Blue (90%)



- Red (87%)
- Yellow (88%)
- Blue (90%)



- 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, 2.519, 211.386 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, 2.519, 211.386 by changing the saturation by 10% instead.

■ 90, 2.519, 211.386

■ 90, 2.519, 211.386

■ 100, 2.519,
211.386

■ 80, 2.519, 211.386

■ 70, 2.519, 211.386

■ 60, 2.519, 211.386

■ 50, 2.519, 211.386

■ 40, 2.519, 211.386

■ 30, 2.519, 211.386

■ 20, 2.519, 211.386

■ 10, 2.519, 211.386

■ 0, 2.519, 211.386

90, 2.519, 211.386

90, 2.519, 211.386

88, 9.475, 211.129

92, 4.784, 31.081

86, 15.977,
211.186

94, 8.202, 36.892

83, 21.912,
211.401

95, 7.821, 49.292

82, 27.163,
211.799

95, 7.835, 62.263

80, 31.615,
212.420

96, 8.240, 74.537

78, 35.175,
213.309

97, 8.982, 85.194

77, 37.788,
214.519

98, 9.983, 93.944

76, 39.455,
216.103

98, 11.172,
100.941

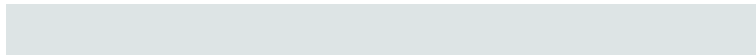
99, 12.494,
106.501

■ 75, 40.254,
218.105

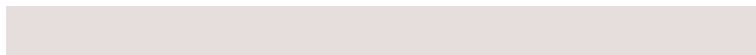
Harmonies

Complementary

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



90, 2.519, 211.386



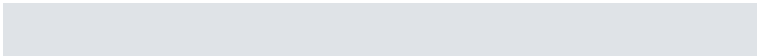
89, 2.575, 30.936

Rectangle

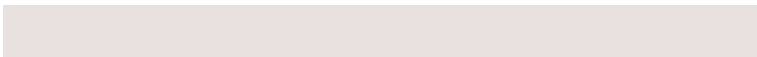
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 2.519, 211.386



90, 2.519, 261.386



90, 2.519, 31.386



90, 2.519, 81.386

Sweetspot

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



90, 2.520, 211.337



100, 0.792, 211.956



90, 4.671, 147.644



53, 0.451, 212.000



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

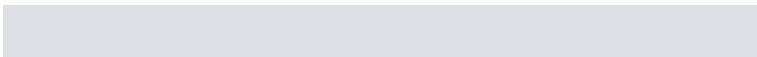
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.520, 211.337



99, 3.144, 211.301



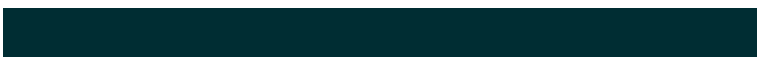
89, 2.778, 267.472



48, 2.046, 211.265



59, 33.638, 219.173



16, 14.278, 215.222

Inverse Universe

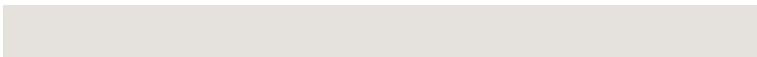
The Inverse Universe completely reimagines the original color for something new.



89, 4.665, 328.166



97, 5.830, 328.206



90, 2.768, 86.369



47, 3.801, 328.256



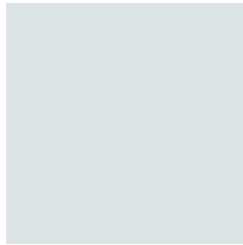
41, 80.226, 333.887



8, 34.172, 332.913

Previews

White Background



This preview shows how the CIE LCh color 90, 2.519, 211.386 looks on a white background.

Color Contrast Check

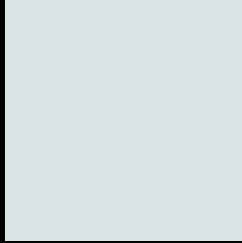
Large Text (above 18pt) WCAG AA × Fail

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, 2.519, 211.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

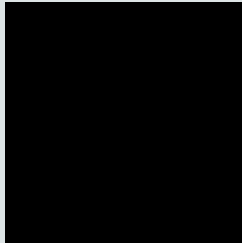
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

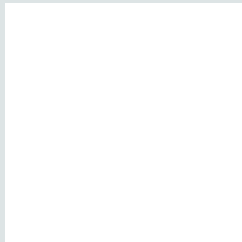
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.519, 211.386

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.519, 211.386.



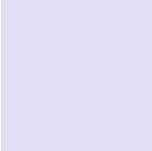
This preview shows how white text looks on a background with the CIELCh color 90, 2.519, 211.386.

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](#).

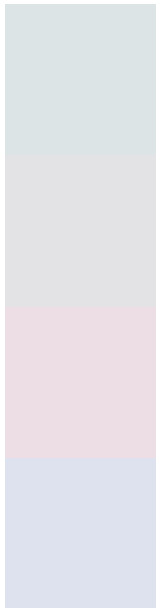
Dichromacy





Tritanopia
90, 9.378, 286.727

Trichromacy



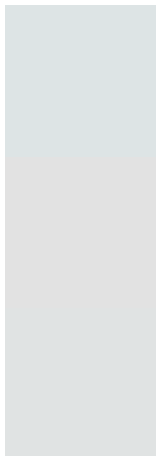
Original Color
90, 2.519, 211.386

Protanomaly
90, 1.112, 308.990

Deuteranomaly
90, 6.824, 342.341

Tritanomaly
90, 6.371, 278.086

Monochromacy



Original Color
90, 2.519, 211.386

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, 2.519, 211.386 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(221, 228, 229)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 229)  
}
```

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(221, 228, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.519, 211.386 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(221, 228, 229) }
```

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

```
.border{ border-color:rgb(221, 228, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 228, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 229);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.519, 211.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 229) }
```

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

```
.background{ background-color: rgb(221,  
228, 229) }
```

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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