

Converting Colors

CIELCh(89, 1.481, 221.693)

Have a look what the booklet for
CIELCh(89, 1.481, 221.693) contains.

| | |
|--|----|
| CIELCh(89, 1.509, 219.921) | 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(89, 1.509, 219.921)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DCE0E1 |
| RGB | 220, 224, 225 |
| RGB Percent | 86%, 88%, 88% |
| CMY | 0.1362, 0.1205, 0.1166 |
| CMYK | 0.02, 0.00, 0.00, 0.12 |
| HSL | 192°, 8%, 87% |
| HSV | 192°, 2%, 88% |
| XYZ | 69.9514, 74.1641, 82.0549 |
| YIQ | 222.9180, -2.7050, -0.5370 |

Conversions

Conversions Part 2

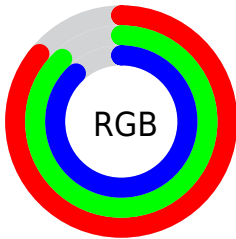
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 220, 222, 225 |
| Decimal | 14475489 |
| CIE Lab | 89.00, -1.16, -0.97 |
| CIE LCh | 89, 1.509, 219.921 |
| Yxy | 74.1641, 0.3093, 0.3279 |
| Android (android.graphics.Color) | 4292665569 (0xFFDCE0E1) |
| YUV | 222.9180, 1.0264, -2.5591 |
| Hunter-Lab | 86.1186, -5.7176, 3.7907 |

Details

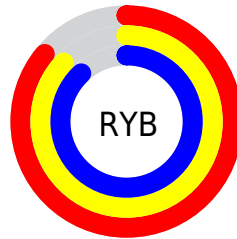
The CIELCh color `89, 1.509, 219.921` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 1.526, 38.957`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 1.587, 219.848` is the 20% darker color. If you saturate the color by 10%, you get `86, 8.101, 219.833`, and if you desaturate by 10%, it is `92, 5.384, 39.135`.

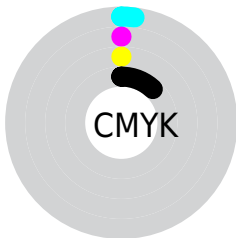
Distribution



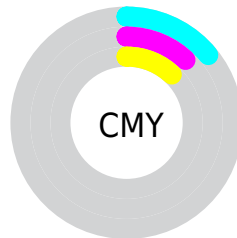
- Red (86%)
- Green (88%)
- Blue (88%)



- Red (86%)
- Yellow (87%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (14%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 1.509, 219.921 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 89, 1.509, 219.921 by changing the saturation by 10% instead.



89, 1.509, 219.921

89, 1.509, 219.921

86, 8.101, 219.833

92, 5.384, 39.135

84, 14.301,
220.279

94, 8.939, 47.005

81, 20.014,
220.948

95, 8.964, 64.913

96, 9.820, 81.109

79, 25.135,
221.880

97, 11.313, 93.815

77, 29.564,
223.137

98, 13.222,
103.158

74, 33.217,
224.795

99, 15.041,
109.041

73, 36.048,
226.939

71, 38.066,
229.651

■ 69, 39.361,
232.994

Harmonies

Complementary

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



89, 1.509, 219.921



88, 1.526, 38.957

Rectangle

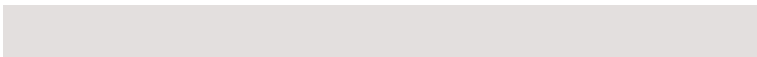
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 1.509, 219.921



89, 1.509, 269.921



89, 1.509, 39.921



89, 1.509, 89.921

Sweetspot

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



89, 1.510, 219.834



100, 0.755, 220.275



89, 2.788, 149.936



53, 0.430, 220.318



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

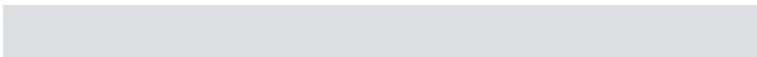
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 1.510, 219.834



99, 2.251, 219.751



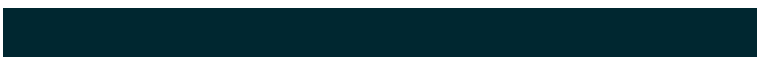
88, 1.869, 272.840



47, 1.533, 219.714



54, 33.239, 235.251



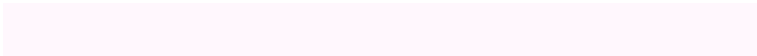
14, 13.540, 228.189

Inverse Universe

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



88, 2.775, 330.518



98, 4.145, 330.600



89, 1.850, 92.029



46, 2.830, 330.664



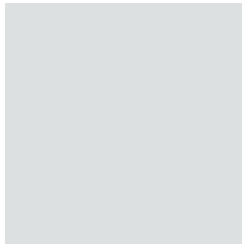
40, 74.999, 338.068



7, 31.394, 336.160

Previews

White Background



This preview shows how the CIELCh color 89, 1.509, 219.921 looks on a white background.

Color Contrast Check

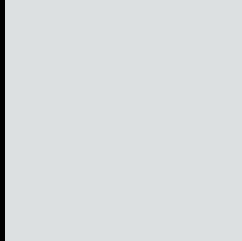
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 89, 1.509, 219.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

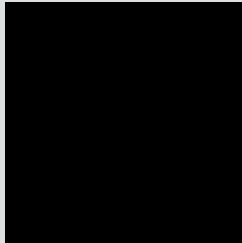
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

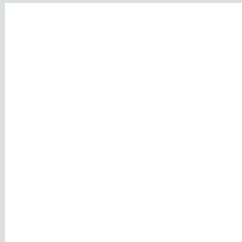
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 1.509, 219.921

Background



This preview shows how black text looks on a background with the CIELCh color 89, 1.509, 219.921.

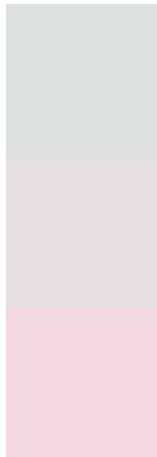


This preview shows how white text looks on a background with the CIELCh color 89, 1.509, 219.921.

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

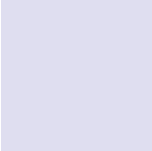
89, 1.509, 219.921

Protanopia

89, 2.089, 349.377

Deuteranopia

89, 11.332, 349.939



Tritanopia
89, 9.399, 293.063

Trichromacy



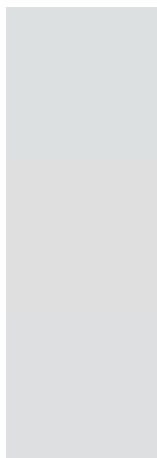
Original Color
89, 1.509, 219.921

Protanomaly
89, 0.897, 343.230

Deuteranomaly
89, 6.842, 347.689

Tritanomaly
89, 6.261, 287.499

Monochromacy



Original Color
89, 1.509, 219.921

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.635, 256.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 1.509, 219.921 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(220, 224, 225)` looks like.

```
.text, #text, p{  
    color:rgb(220, 224, 225)  
}
```

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(220, 224, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 224, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 1.509, 219.921 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(220, 224, 225) }
```

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

```
.border{ border-color:rgb(220, 224, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 224, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 224, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 224, 225);  
box-shadow:4px 4px 4px 4px rgb(220, 224,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 1.509, 219.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 224, 225) }
```

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

```
.background{ background-color: rgb(220,  
224, 225) }
```

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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