

Converting Colors

CIELCh(89, 0.882, 214.081)

Have a look what the booklet for
CIELCh(89, 0.882, 214.081) contains.

CIELCh(89, 0.712, 200.199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 0.712, 200.199)

Conversions

Conversions Part 1

Format	Color
Hex	DEE0E0
RGB	222, 224, 224
RGB Percent	87%, 88%, 88%
CMY	0.1297, 0.1219, 0.1219
CMYK	0.01, 0.00, 0.00, 0.12
HSL	180°, 3%, 87%
HSV	180°, 1%, 88%
XYZ	70.1790, 74.1641, 81.0816
YIQ	223.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

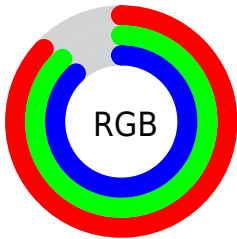
Format	Color
RYB	222, 223, 224
Decimal	14606560
CIELab	89.00, -0.67, -0.25
CIELCh	89, 0.712, 200.199
Yxy	74.1641, 0.3113, 0.3290
Android (android.graphics.Color)	4292796640 (0xFFDEE0E0)
YUV	223.4020, 0.2948, -1.2296
Hunter-Lab	86.1186, -5.2459, 4.4609

Details

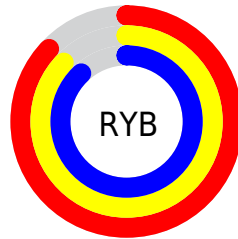
The CIELCh color $89, 0.712, 200.199$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 0.720, 18.473$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $69, 0.751, 199.989$ is the 20% darker color. If you saturate the color by 10%, you get $87, 8.500, 198.722$, and if you desaturate by 10%, it is $91, 7.414, 19.697$.

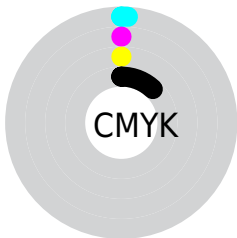
Distribution



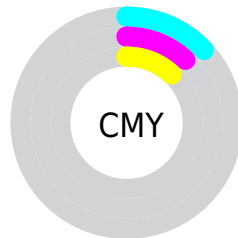
- Red (87%)
- Green (88%)
- Blue (88%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (13%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 0.712, 200.199 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, 0.712, 200.199 by changing the saturation by 10% instead.



89, 0.712, 200.199

89, 0.712, 200.199

87, 8.500, 198.722

91, 7.414, 19.697

86, 15.829,
198.181

92, 11.380, 19.953

85, 22.571,
197.707

92, 11.380, 19.845

92, 11.379, 19.737

84, 28.598,
197.292

92, 11.378, 19.628

83, 33.788,
196.939

92, 11.378, 19.520

92, 11.377, 19.412

82, 38.044,
196.650

92, 11.377, 19.304

82, 41.310,
196.424

92, 11.376, 19.195

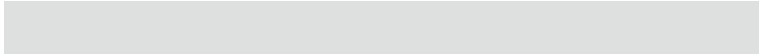
81, 43.578,
196.262

■ 81, 44.909,
196.155

Harmonies

Complementary

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



89, 0.712, 200.199



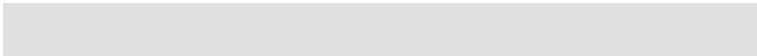
89, 0.720, 18.473

Rectangle

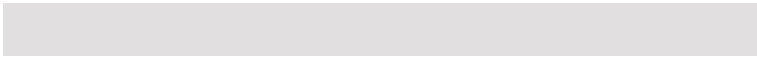
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 0.712, 200.199



89, 0.712, 250.199



89, 0.712, 20.199



89, 0.712, 70.199

Sweetspot

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



89, 0.713, 200.041

100, 0.012, 296.813



89, 1.256, 144.171



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

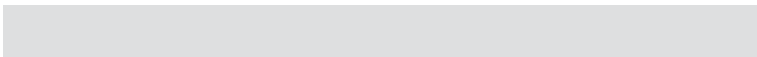
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 0.713, 200.041



100, 0.886, 199.940



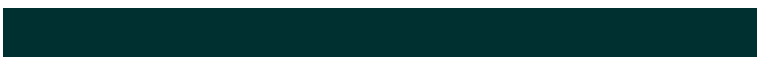
89, 0.628, 254.357



47, 0.454, 199.993



65, 37.990, 196.101



17, 15.602, 196.147

Inverse Universe

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



89, 0.720, 18.473



99, 0.895, 18.573



89, 0.614, 72.812



47, 0.458, 18.520



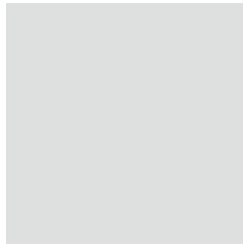
36, 79.031, 39.876



6, 25.536, 20.860

Previews

White Background



This preview shows how the CIELCh color 89, 0.712, 200.199 looks on a white background.

Color Contrast Check

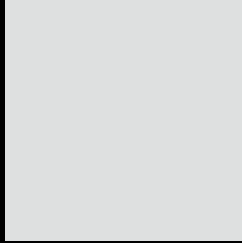
Large Text (above 18pt) WCAG AA × Fail

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 89, 0.712, 200.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

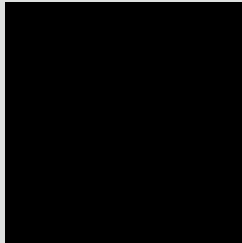
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

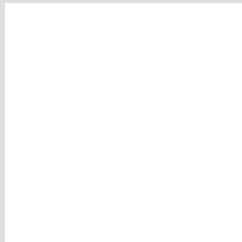
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 0.712, 200.199

Background



This preview shows how black text looks on a background with the CIELCh color 89, 0.712, 200.199.

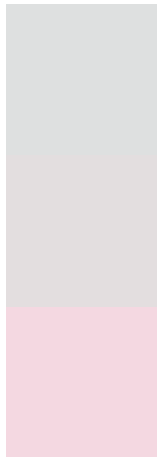


This preview shows how white text looks on a background with the CIELCh color 89, 0.712, 200.199.

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, 0.712, 200.199

Protanopia

89, 1.879, 3.150

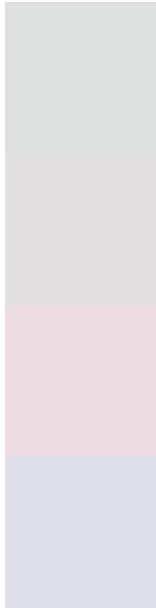
Deuteranopia

89, 11.198, 355.553



Tritanopia
89, 8.903, 295.385

Trichromacy



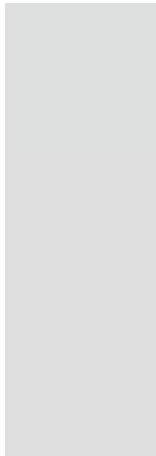
Original Color
89, 0.712, 200.199

Protanomaly
89, 0.718, 18.623

Deuteranomaly
89, 6.904, 352.991

Tritanomaly
89, 5.736, 290.658

Monochromacy



Original Color
89, 0.712, 200.199

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.011, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 0.712, 200.199 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, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 224)  
}
```

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, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 0.712, 200.199 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, 224, 224) }
```

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

```
.border{ border-color:rgb(222, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 0.712, 200.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 224) }
```

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

```
.background{ background-color: rgb(222,  
224, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor