

Converting Colors

CIELCh(89, 0.810, 271.535)

Have a look what the booklet for
CIELCh(89, 0.810, 271.535) contains.

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Color

CIELCh(89, 0.634, 256.158)

Conversions

Conversions Part 1

Format	Color
Hex	DFE0E1
RGB	223, 224, 225
RGB Percent	87%, 88%, 88%
CMY	0.1269, 0.1230, 0.1191
CMYK	0.01, 0.00, 0.00, 0.12
HSL	210°, 3%, 88%
HSV	210°, 1%, 88%
XYZ	70.4199, 74.1641, 81.5787
YIQ	223.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

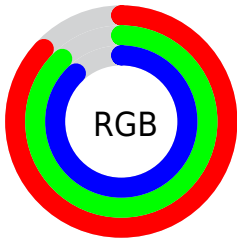
Format	Color
RYB	223, 224, 225
Decimal	14672097
CIELab	89.00, -0.15, -0.62
CIELCh	89, 0.634, 256.158
Yxy	74.1641, 0.3114, 0.3279
Android (android.graphics.Color)	4292862177 (0xFFDFE0E1)
YUV	223.8150, 0.5842, -0.7148
Hunter-Lab	86.1186, -4.7465, 4.1186

Details

The CIELCh color $89, 0.634, 256.158$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 0.619, 74.457$, 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 $69, 0.666, 256.047$ is the 20% darker color. If you saturate the color by 10%, you get $85, 7.630, 256.702$, and if you desaturate by 10%, it is $94, 6.410, 74.127$.

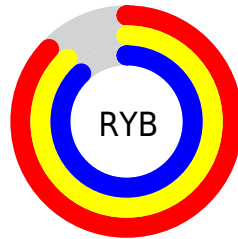
Distribution



Red (87%)

Green (88%)

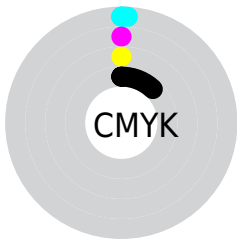
Blue (88%)



Red (87%)

Yellow (88%)

Blue (88%)

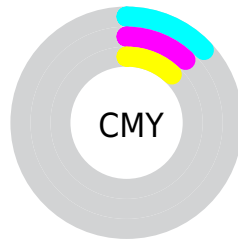


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (12%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 0.634, 256.158 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, 0.634, 256.158 by changing the saturation by 10% instead.

■ 89, 0.634, 256.158

■ 89, 0.634, 256.158

100, 0.634,
256.158

■ 79, 0.634, 256.158

■ 69, 0.634, 256.158

■ 59, 0.634, 256.158

■ 49, 0.634, 256.158

■ 39, 0.634, 256.158

■ 29, 0.634, 256.158

■ 19, 0.634, 256.158

■ 9, 0.634, 256.158

■ 0, 0.634, 256.158

89, 0.634, 256.158

89, 0.634, 256.158

85, 7.630, 256.702

94, 6.410, 74.127

80, 14.553,
258.254

97, 11.358, 92.528

76, 21.374,
260.121

99, 15.360,
109.017

71, 28.068,
262.354

67, 34.623,
265.011

63, 41.049,
268.146

59, 47.388,
271.784

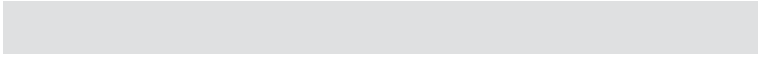
55, 53.722,
275.896

■ 52, 60.156,
280.369

Harmonies

Complementary

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



89, 0.634, 256.158



89, 0.619, 74.457

Rectangle

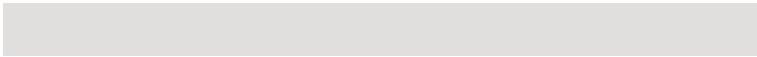
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 0.634, 256.158



89, 0.634, 306.158



89, 0.634, 76.158



89, 0.634, 126.158

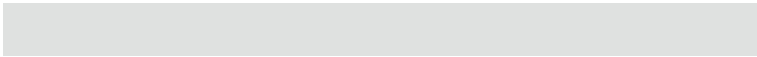
Sweetspot

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



89, 0.633, 255.956

100, 0.012, 296.813



89, 0.892, 163.182



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

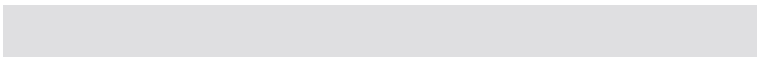
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 0.633, 255.956



99, 0.787, 255.897



89, 1.033, 289.671



47, 0.403, 255.926



38, 54.276, 283.709



8, 18.912, 274.449

Inverse Universe

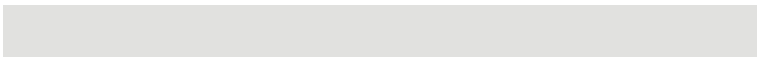
The Inverse Universe completely reimagines the original color for something new.



89, 0.898, 343.130



99, 1.118, 343.196



89, 1.011, 109.348



47, 0.573, 343.163



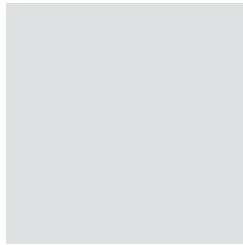
38, 64.197, 1.653



6, 26.450, 354.592

Previews

White Background



This preview shows how the CIELCh color 89, 0.634, 256.158 looks on a white background.

Color Contrast Check

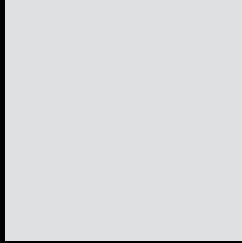
Large Text (above 18pt) WCAG AA × Fail

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, 0.634, 256.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

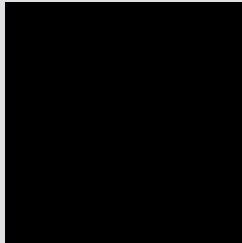
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

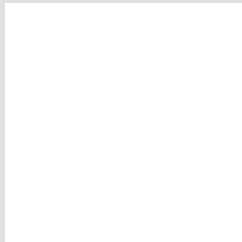
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 0.634, 256.158

Background



This preview shows how black text looks on a background with the CIELCh color 89, 0.634, 256.158.

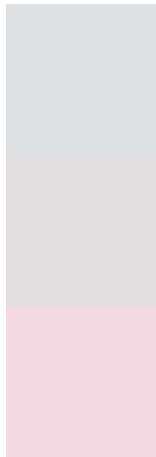


This preview shows how white text looks on a background with the CIELCh color 89, 0.634, 256.158.

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, 0.634, 256.158

Protanopia

89, 2.089, 349.377

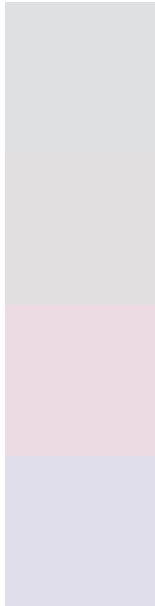
Deuteranopia

89, 11.413, 353.170



Tritanopia
89, 9.516, 299.357

Trichromacy



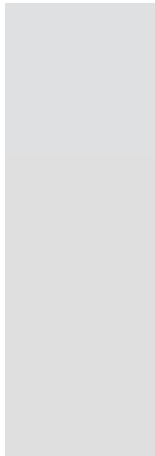
Original Color
89, 0.634, 256.158

Protanomaly
89, 0.897, 343.230

Deuteranomaly
89, 7.151, 349.272

Tritanomaly
89, 6.310, 297.084

Monochromacy



Original Color
89, 0.634, 256.158

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.531, 290.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 0.634, 256.158 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(223, 224, 225)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 224, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 224, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 0.634, 256.158 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(223, 224, 225) }
```

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

```
.border{ border-color:rgb(223, 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(223, 224, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 224, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 224, 225);  
box-shadow:4px 4px 4px 4px rgb(223, 224,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 0.634, 256.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 224, 225) }
```

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

```
.background{ background-color: rgb(223,  
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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