

Converting Colors

CIELCh(89, 2.560, 240.625)

Have a look what the booklet for
CIELCh(89, 2.560, 240.625) contains.

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Color

CIELCh(89, 2.714, 249.796)

Conversions

Conversions Part 1

Format	Color
Hex	DBE0E4
RGB	219, 224, 228
RGB Percent	86%, 88%, 89%
CMY	0.1402, 0.1205, 0.1049
CMYK	0.04, 0.02, 0.00, 0.10
HSL	207°, 14%, 88%
HSV	207°, 4%, 90%
XYZ	70.0537, 74.1641, 84.2087
YIQ	222.9610, -4.2640, 0.1840

Conversions

Conversions Part 2

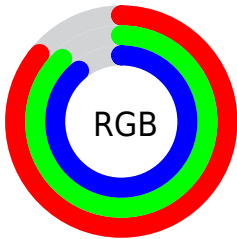
Format	Color
R _Y B	219, 222, 228
Decimal	14409956
CIE Lab	89.00, -0.94, -2.55
CIE LCh	89, 2.714, 249.796
Yxy	74.1641, 0.3067, 0.3247
Android (android.graphics.Color)	4292600036 (0xFFDBE0E4)
YUV	222.9610, 2.4842, -3.4738
Hunter-Lab	86.1186, -5.5056, 2.3080

Details

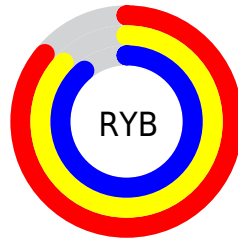
The CIELCh color $89, 2.714, 249.796$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 2.736, 68.516$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $69, 2.853, 249.900$ is the 20% darker color. If you saturate the color by 10%, you get $85, 9.490, 250.950$, and if you desaturate by 10%, it is $93, 4.178, 68.367$.

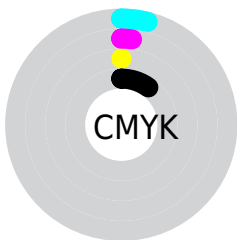
Distribution



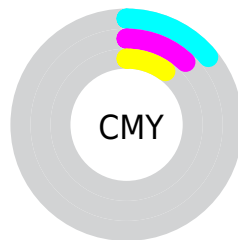
- Red (86%)
- Green (88%)
- Blue (89%)



- Red (86%)
- Yellow (87%)
- Blue (89%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (14%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.714, 249.796 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, 2.714, 249.796 by changing the saturation by 10% instead.

■ 89, 2.714, 249.796

■ 89, 2.714, 249.796

■ 100, 2.714,
249.796

■ 79, 2.714, 249.796

■ 69, 2.714, 249.796

■ 59, 2.714, 249.796

■ 49, 2.714, 249.796

■ 39, 2.714, 249.796

■ 29, 2.714, 249.796

■ 19, 2.714, 249.796

■ 9, 2.714, 249.796

■ 0, 2.714, 249.796

■ 89, 2.714, 249.796

■ 89, 2.714, 249.796

■ 85, 9.490, 250.950

■ 93, 4.178, 68.367

■ 81, 16.112,
252.516

■ 97, 9.110, 84.817

■ 76, 22.538,
254.420

■ 99, 13.367,
108.649

■ 72, 28.732,
256.721

■ 99, 13.532,
109.155

■ 69, 34.671,
259.490

■ 65, 40.361,
262.786

■ 61, 45.848,
266.640

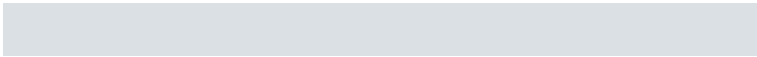
■ 58, 51.228,
271.022

■ 55, 56.640,
275.804

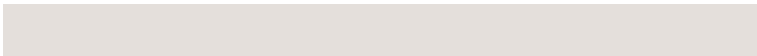
Harmonies

Complementary

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



89, 2.714, 249.796



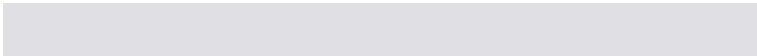
89, 2.736, 68.516

Rectangle

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



89, 2.714, 249.796



89, 2.714, 299.796



89, 2.714, 69.796



89, 2.714, 119.796

Sweetspot

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



89, 2.713, 249.749



100, 0.760, 249.886



90, 4.183, 160.023



53, 0.432, 249.914



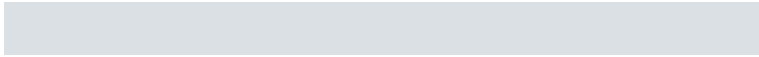
0, 0.000, 0.000



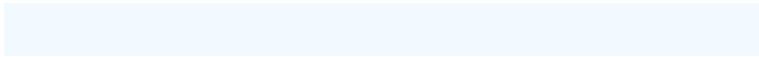
53, 0.007, 296.813

Same Dimension

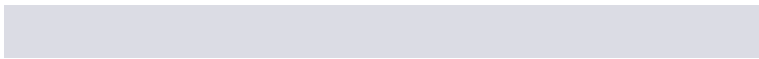
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 2.713, 249.749



98, 3.758, 249.845



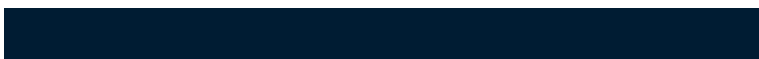
88, 4.397, 287.796



47, 2.350, 249.910



42, 49.210, 277.873



10, 17.989, 268.701

Inverse Universe

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



88, 4.180, 340.960



97, 5.804, 341.068



90, 4.345, 106.944



46, 3.634, 341.128



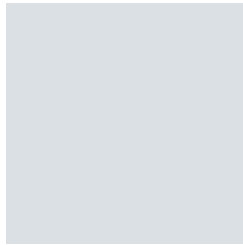
39, 65.765, 356.694



7, 28.246, 350.822

Previews

White Background



This preview shows how the CIELCh color 89, 2.714, 249.796 looks on a white background.

Color Contrast Check

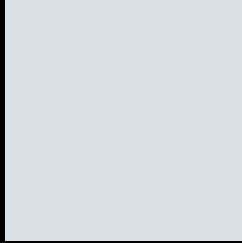
Large Text (above 18pt) WCAG AA × Fail

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, 2.714, 249.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

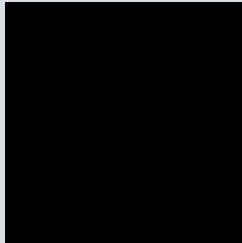
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

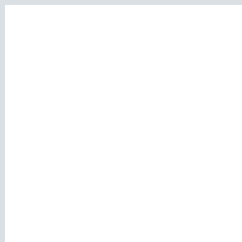
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.714, 249.796

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.714, 249.796.

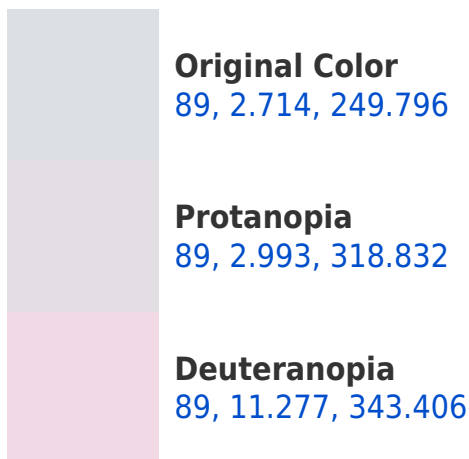


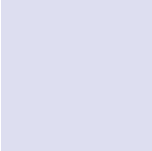
This preview shows how white text looks on a background with the CIELCh color 89, 2.714, 249.796.

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](#).

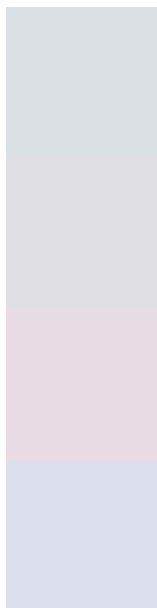
Dichromacy





Tritanopia
89, 9.388, 288.840

Trichromacy



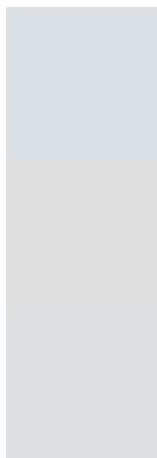
Original Color
89, 2.714, 249.796

Protanomaly
89, 2.127, 300.003

Deuteranomaly
89, 6.895, 337.064

Tritanomaly
89, 6.840, 281.959

Monochromacy



Original Color
89, 2.714, 249.796

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.105, 271.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.714, 249.796 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(219, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(219, 224, 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(219, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 224, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.714, 249.796 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(219, 224, 228) }
```

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

```
.border{ border-color:rgb(219, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(219, 224,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.714, 249.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 224, 228) }
```

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

```
.background{ background-color: rgb(219,  
224, 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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