

Converting Colors

CIELCh(89, 3.311, 279.553)

Have a look what the booklet for
CIELCh(89, 3.311, 279.553) contains.

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Color

CIELCh(89, 3.665, 284.972)

Conversions

Conversions Part 1

Format	Color
Hex	DEDFE6
RGB	222, 223, 230
RGB Percent	87%, 87%, 90%
CMY	0.1286, 0.1247, 0.0973
CMYK	0.03, 0.03, 0.00, 0.10
HSL	232°, 14%, 89%
HSV	232°, 3%, 90%
XYZ	70.9341, 74.1641, 85.5833
YIQ	223.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

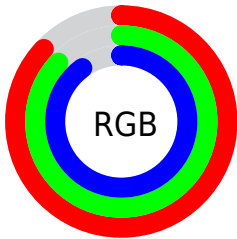
Format	Color
RYB	222, 223, 230
Decimal	14606310
CIELab	89.00, 0.95, -3.54
CIELCh	89, 3.665, 284.972
Yxy	74.1641, 0.3075, 0.3215
Android (android.graphics.Color)	4292796390 (0xFFDEDFE6)
YUV	223.4990, 3.2050, -1.3146
Hunter-Lab	86.1186, -3.6808, 1.3615

Details

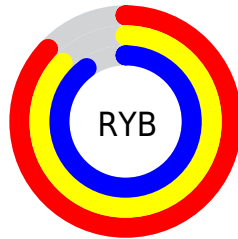
The CIELCh color $89, 3.665, 284.972$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $91, 3.624, 104.134$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $69, 3.861, 285.077$ is the 20% darker color. If you saturate the color by 10%, you get $82, 14.417, 286.125$, and if you desaturate by 10%, it is $96, 6.734, 103.865$.

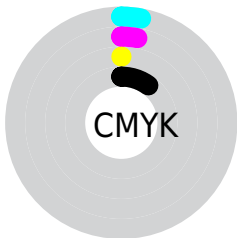
Distribution



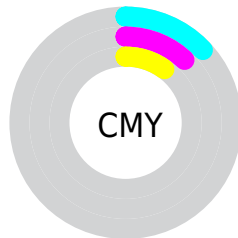
- Red (87%)
- Green (87%)
- Blue (90%)



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



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 3.665, 284.972 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, 3.665, 284.972 by changing the saturation by 10% instead.

■ 89, 3.665, 284.972

■ 89, 3.665, 284.972

100, 3.665,
284.972

■ 79, 3.665, 284.972

■ 69, 3.665, 284.972

■ 59, 3.665, 284.972

■ 49, 3.665, 284.972

■ 39, 3.665, 284.972

■ 29, 3.665, 284.972

■ 19, 3.665, 284.972

■ 9, 3.665, 284.972

■ 0, 3.665, 284.972

89, 3.665, 284.972

89, 3.665, 284.972

82, 14.417,
286.125

96, 6.734, 103.865

75, 25.555,
287.532

99, 12.553,
109.229

68, 37.113,
289.186

62, 49.125,
291.116

55, 61.608,
293.340

49, 74.514,
295.835

42, 87.614,
298.509

37, 100.297,
301.168

■ 33,111.380,
303.521

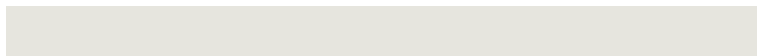
Harmonies

Complementary

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



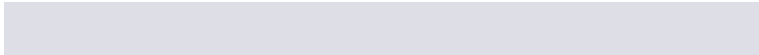
89, 3.665, 284.972



91, 3.624, 104.134

Rectangle

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



89, 3.665, 284.972



89, 3.665, 334.972



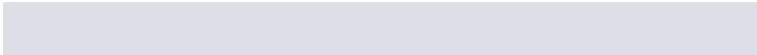
89, 3.665, 104.972



89, 3.665, 154.972

Sweetspot

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



89, 3.663, 284.949



99, 1.149, 284.768



91, 2.888, 188.379



53, 0.653, 284.769



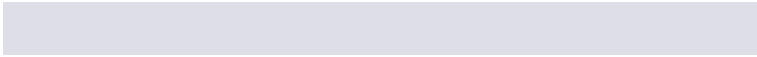
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 3.663, 284.949



97, 4.583, 285.005



89, 4.317, 304.442



46, 2.990, 285.080



23, 95.743, 304.407



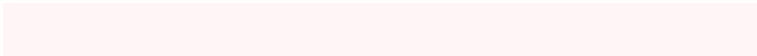
3, 30.757, 294.202

Inverse Universe

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



89, 2.935, 9.184



97, 3.676, 9.258



91, 4.272, 124.124



47, 2.401, 9.345



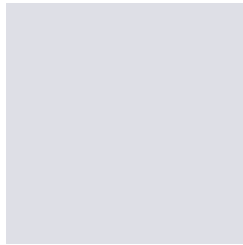
37, 74.587, 34.326



6, 26.768, 16.551

Previews

White Background



This preview shows how the CIELCh color 89, 3.665, 284.972 looks on a white background.

Color Contrast Check

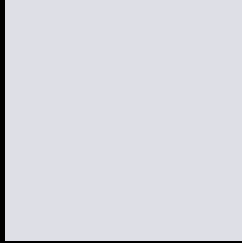
Large Text (above 18pt) WCAG AA × Fail

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, 3.665, 284.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

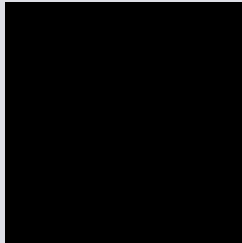
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

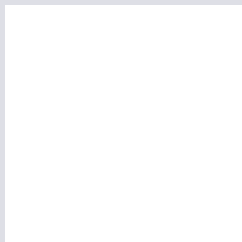
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 3.665, 284.972

Background



This preview shows how black text looks on a background with the CIELCh color 89, 3.665, 284.972.

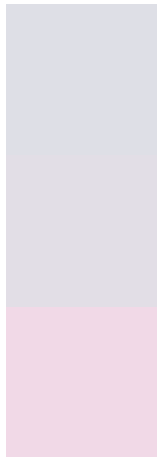


This preview shows how white text looks on a background with the CIELCh color 89, 3.665, 284.972.

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, 3.665, 284.972

Protanopia

89, 4.428, 309.191

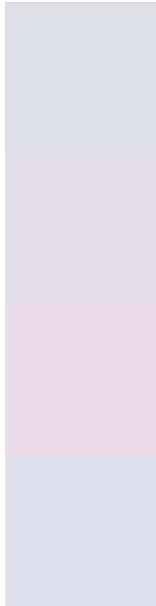
Deuteranopia

89, 11.312, 340.155



Tritanopia
89, 8.903, 295.385

Trichromacy



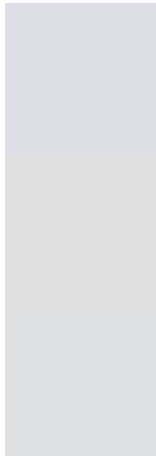
Original Color
89, 3.665, 284.972

Protanomaly
89, 4.324, 304.745

Deuteranomaly
89, 8.272, 330.885

Tritanomaly
89, 7.317, 293.519

Monochromacy



Original Color
89, 3.665, 284.972

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.104, 271.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 3.665, 284.972 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, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 223, 230)  
}
```

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, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 223, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 3.665, 284.972 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, 223, 230) }
```

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

```
.border{ border-color:rgb(222, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 223, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 223, 230); box-shadow:4px 4px 4px 4px rgb(222, 223, 230) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 3.665, 284.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 223, 230) }
```

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

```
.background{ background-color: rgb(222,  
223, 230) }
```

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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