

Converting Colors

CIELCh(89, 0.011, 296.813)

Have a look what the booklet for
CIELCh(89, 0.011, 296.813) contains.

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Color

CIELCh(89, 0.011, 296.813)

Conversions

Conversions Part 1	
Format	Color
Hex	E0E0E0
RGB	224, 224, 224
RGB Percent	88%, 88%, 88%
CMY	0.1235, 0.1235, 0.1235
CMYK	0.00, 0.00, 0.00, 0.12
HSL	133°, 0%, 88%
HSV	133°, 0%, 88%
XYZ	70.4931, 74.1641, 80.7653
YIQ	224.0000, -0.0000, 0.0000

Conversions

Conversions Part 2

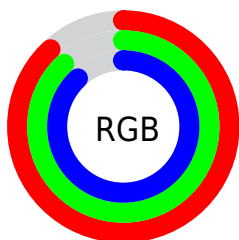
Format	Color
RYB	224, 224, 224
Decimal	14737632
CIELab	89.00, 0.00, -0.01
CIELCh	89, 0.011, 296.813
Yxy	74.1641, 0.3127, 0.3290
Android (android.graphics.Color)	4292927712 (0xFFE0E0E0)
YUV	224.0000, 0.0000, 0.0000
Hunter-Lab	86.1186, -4.5949, 4.6786

Details

The CIELCh color **89, 0.011, 296.813** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 0.012, 302.164**, 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, 0.009, 296.813** is the 20% darker color. If you saturate the color by 10%, you get **87, 12.303, 150.373**, and if you desaturate by 10%, it is **91, 12.114, 331.553**.

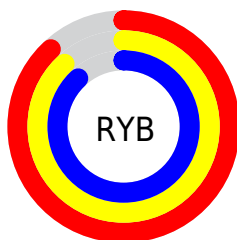
Distribution



Red (88%)

Green (88%)

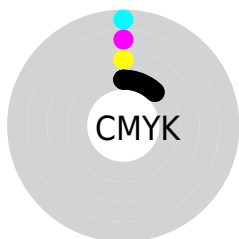
Blue (88%)



Red (88%)

Yellow (88%)

Blue (88%)

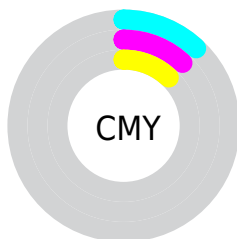


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (12%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 0.011, 296.813 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, 0.011, 296.813 by changing the saturation by 10% instead.

 89, 0.011, 296.813

 89, 0.011, 296.813

100, 0.011,
296.813

 79, 0.011, 296.813

 69, 0.011, 296.813

 59, 0.011, 296.813

 49, 0.011, 296.813


 39, 0.011, 296.813


 29, 0.011, 296.813


 19, 0.011, 296.813


 9, 0.011, 296.813


 0, 0.011, 296.813


 89, 0.011, 296.813


 89, 0.011, 296.813

 87, 12.303,
150.373


 91, 12.114,
331.553


 85, 24.699,
149.593

 92, 19.705,
325.109


 83, 37.024,
148.700


 82, 49.078,
147.667

 81, 60.626,
146.476

 80, 71.402,
145.118

 79, 81.134,
143.599

 79, 89.565,
141.952

 78, 96.476,
140.247

Harmonies

Complementary

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



89, 0.011, 296.813



89, 0.012, 302.164

Rectangle

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



89, 0.011, 296.813



89, 0.011, 346.813



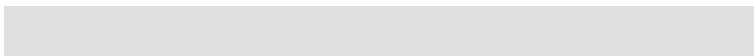
89, 0.011, 116.813



89, 0.011, 166.813

Sweetspot

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



89, 0.009, 289.444

100, 0.012, 296.813



89, 0.009, 296.543



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, 0.009, 289.444

100, 0.012, 296.813



89, 0.010, 289.514



47, 0.006, 296.813



63, 84.562, 138.922



16, 31.579, 143.393

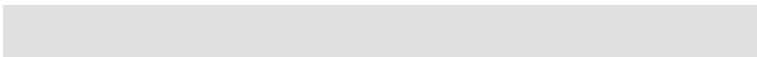
Inverse Universe

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



89, 0.012, 302.164

100, 0.012, 296.813



89, 0.011, 303.151



47, 0.006, 296.813



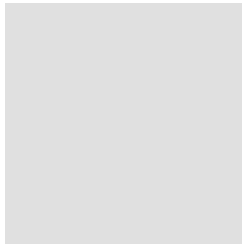
40, 74.213, 338.948



7, 31.093, 336.850

Previews

White Background



This preview shows how the CIE LCh color 89, 0.011, 296.813 looks on a white background.

Color Contrast Check

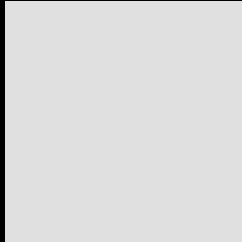
Large Text (above 18pt) WCAG AA × Fail

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, 0.011, 296.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

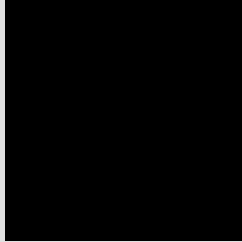
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

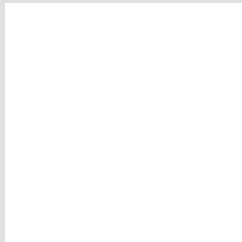
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 0.011, 296.813

Background



This preview shows how black text looks on a background with the CIELCh color 89, 0.011, 296.813.

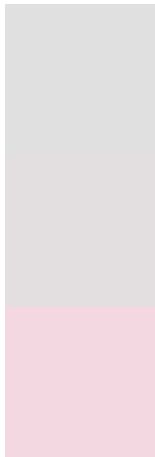


This preview shows how white text looks on a background with the CIELCh color 89, 0.011, 296.813.

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, 0.011, 296.813

Protanopia

89, 1.879, 3.150

Deuteranopia

89, 11.198, 355.553



Tritanopia
89, 9.577, 301.421

Trichromacy

	Original Color 89, 0.011, 296.813
	Protanomaly 89, 1.078, 18.926
	Deuteranomaly 89, 7.027, 358.161
	Tritanomaly 89, 5.851, 301.051

Monochromacy

	Original Color 89, 0.011, 296.813
	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, 0.011, 296.813 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(224, 224, 224)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 89, 0.011, 296.813 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(224, 224, 224) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 89, 0.011, 296.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(224,  
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](#).

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