

Converting Colors

CIELCh(89, 1.550, 110.005)

Have a look what the booklet for
CIELCh(89, 1.550, 110.005) contains.

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Color

CIELCh(89, 1.549, 110.005)

Conversions

Conversions Part 1

Format	Color
Hex	E0E0DD
RGB	224, 224, 221
RGB Percent	88%, 88%, 87%
CMY	0.1227, 0.1227, 0.1344
CMYK	0.00, 0.00, 0.01, 0.12
HSL	60°, 5%, 87%
HSV	60°, 1%, 88%
XYZ	70.2435, 74.1641, 78.8200
YIQ	223.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

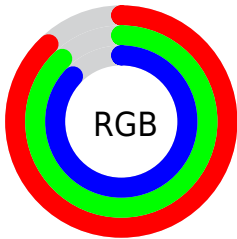
Format	Color
RYB	221, 224, 221
Decimal	14737629
CIELab	89.00, -0.53, 1.46
CIELCh	89, 1.549, 110.005
Yxy	74.1641, 0.3147, 0.3322
Android (android.graphics.Color)	4292927709 (0xFFE0E0DD)
YUV	223.6580, -1.3104, 0.2999
Hunter-Lab	86.1186, -5.1123, 6.0179

Details

The CIELCh color **89, 1.549, 110.005** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 1.576, 290.403**, 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, 1.635, 109.977** is the 20% darker color. If you saturate the color by 10%, you get **88, 13.161, 109.134**, and if you desaturate by 10%, it is **90, 10.086, 291.052**.

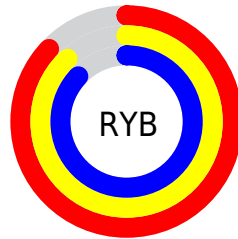
Distribution



Red (88%)

Green (88%)

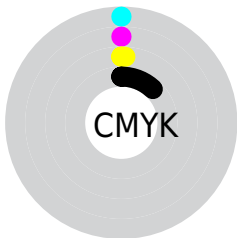
Blue (87%)



Red (87%)

Yellow (88%)

Blue (87%)

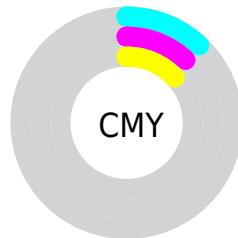


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 1.549, 110.005 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, 1.549, 110.005 by changing the saturation by 10% instead.



89, 1.549, 110.005

89, 1.549, 110.005

88, 13.161,
109.134

90, 10.086,
291.052

88, 24.684,
108.165

90, 16.279,
291.556

88, 36.031,
107.201

90, 16.280,
291.591

87, 47.061,
106.263

90, 16.280,
291.626

87, 57.555,
105.378

90, 16.280,
291.661

87, 67.184,
104.577

90, 16.280,
291.696

87, 75.489,
103.900

90, 16.280,
291.731

87, 81.915,
103.387

90, 16.281,
291.766

■ 86, 85.991,
103.070

■ 90, 16.281,
291.801

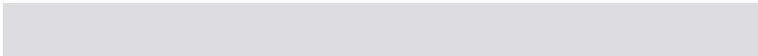
Harmonies

Complementary

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



89, 1.549, 110.005



88, 1.576, 290.403

Rectangle

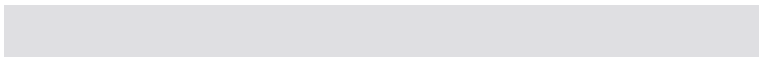
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 1.549, 110.005



89, 1.549, 160.005



89, 1.549, 290.005



89, 1.549, 340.005

Sweetspot

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



89, 1.551, 110.058

100, 0.012, 296.813



88, 1.081, 18.933



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, 1.551, 110.058



100, 2.575, 110.008



89, 1.649, 129.089



47, 1.318, 110.018



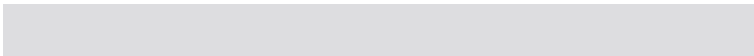
70, 73.366, 102.934



19, 27.933, 103.960

Inverse Universe

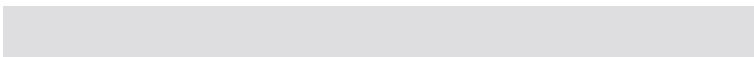
The Inverse Universe completely reimagines the original color for something new.



88, 1.576, 290.403



98, 2.609, 290.454



88, 1.672, 309.050



46, 1.336, 290.444



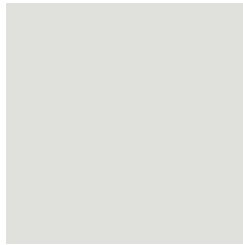
21, 101.298, 306.291



2, 31.636, 295.861

Previews

White Background



This preview shows how the CIELCh color 89, 1.549, 110.005 looks on a white background.

Color Contrast Check

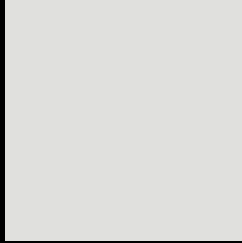
Large Text (above 18pt) WCAG AA × Fail

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, 1.549, 110.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

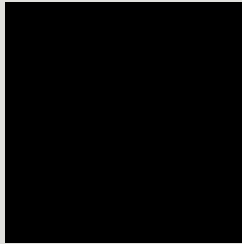
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

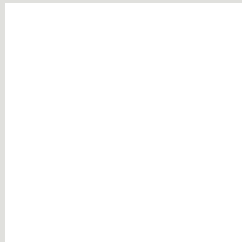
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 1.549, 110.005

Background



This preview shows how black text looks on a background with the CIELCh color 89, 1.549, 110.005.

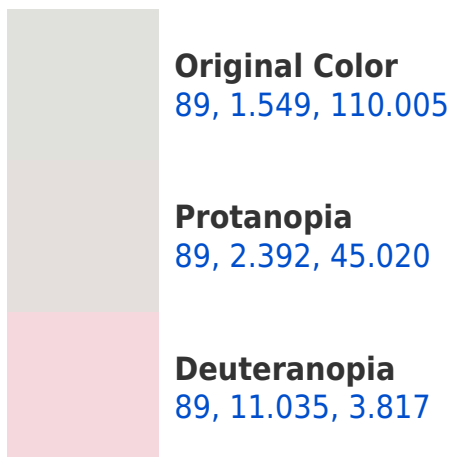


This preview shows how white text looks on a background with the CIELCh color 89, 1.549, 110.005.

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](#).

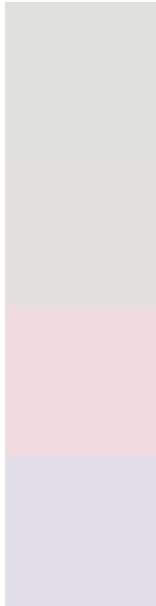
Dichromacy





Tritanopia
89, 9.065, 301.999

Trichromacy



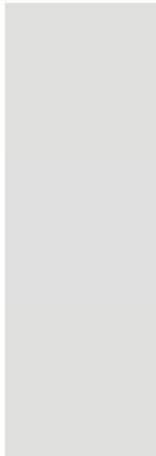
Original Color
89, 1.549, 110.005

Protanomaly
89, 1.881, 74.885

Deuteranomaly
89, 6.724, 6.427

Tritanomaly
89, 5.339, 302.040

Monochromacy



Original Color
89, 1.549, 110.005

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.510, 109.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 1.549, 110.005 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 1.549, 110.005 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, 221) }
```

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

```
.border{ border-color:rgb(224, 224, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 1.549, 110.005 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, 221) }
```

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

```
.background{ background-color: rgb(224,  
224, 221) }
```

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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