

Converting Colors

CIELCh(89, 2.748, 44.913)

Have a look what the booklet for
CIELCh(89, 2.748, 44.913) contains.

CIELCh(89, 2.725, 41.745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 2.725, 41.745)

Conversions

Conversions Part 1

Format	Color
Hex	E5DEDC
RGB	229, 222, 220
RGB Percent	90%, 87%, 86%
CMY	0.1014, 0.1289, 0.1367
CMYK	0.00, 0.03, 0.04, 0.10
HSL	13°, 15%, 88%
HSV	13°, 4%, 90%
XYZ	71.4451, 74.1641, 78.3485
YIQ	223.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

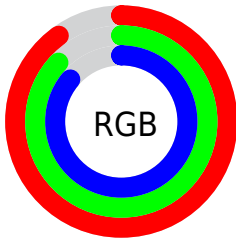
Format	Color
R _Y B	229, 223, 220
Decimal	15064796
CIE Lab	89.00, 2.03, 1.81
CIE LCh	89, 2.725, 41.745
Yxy	74.1641, 0.3190, 0.3312
Android (android.graphics.Color)	4293254876 (0xFFE5DEDC)
YUV	223.8650, -1.9054, 4.5034
Hunter-Lab	86.1186, -2.6217, 6.3425

Details

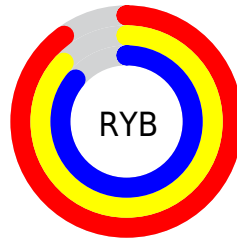
The CIELCh color **89, 2.725, 41.745** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 2.666, 222.497**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 2.882, 41.761** is the 20% darker color. If you saturate the color by 10%, you get **84, 10.063, 41.692**, and if you desaturate by 10%, it is **94, 4.057, 222.500**.

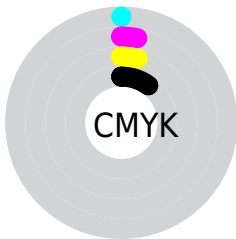
Distribution



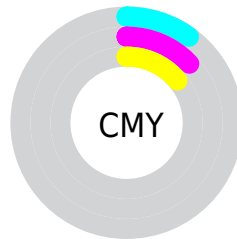
- Red (90%)
- Green (87%)
- Blue (86%)



- Red (90%)
- Yellow (87%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.725, 41.745 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, 2.725, 41.745 by changing the saturation by 10% instead.



89, 2.725, 41.745

89, 2.725, 41.745

84, 10.063, 41.692

94, 4.057, 222.500

79, 18.017, 41.555

98, 8.809, 198.924

74, 26.635, 41.534

70, 35.942, 41.676

65, 45.918, 42.011

61, 56.463, 42.555

58, 67.317, 43.260

55, 77.875, 43.935

52, 86.817, 44.073

Harmonies

Complementary

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



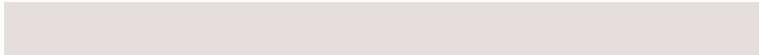
89, 2.725, 41.745



90, 2.666, 222.497

Rectangle

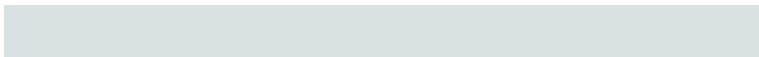
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



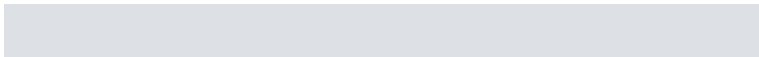
89, 2.725, 41.745



89, 2.725, 91.745



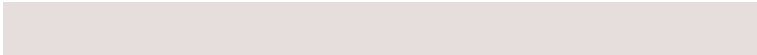
89, 2.725, 221.745



89, 2.725, 271.745

Sweetspot

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



89, 2.724, 41.797



99, 0.745, 41.243



89, 4.917, 331.294



53, 0.424, 41.199



0, 0.000, 0.000



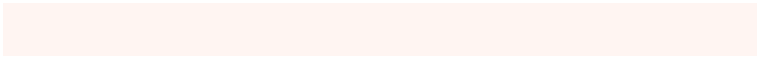
53, 0.007, 296.813

Same Dimension

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



89, 2.724, 41.797



97, 3.799, 41.812



90, 3.450, 94.382



47, 2.383, 41.813



40, 75.119, 44.309



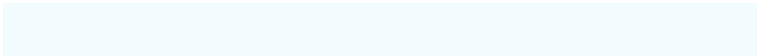
9, 23.319, 34.740

Inverse Universe

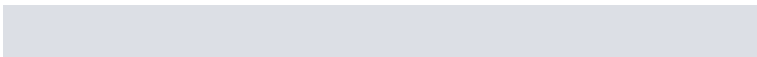
The Inverse Universe completely reimagines the original color for something new.



90, 2.666, 222.497



98, 3.691, 222.492



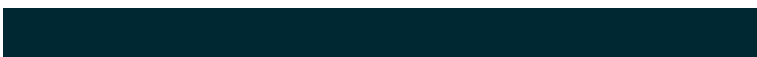
89, 3.473, 275.463



47, 2.306, 222.499



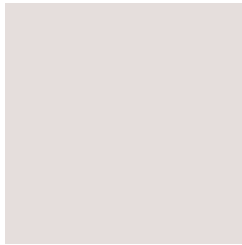
54, 34.095, 240.356



14, 14.037, 232.921

Previews

White Background



This preview shows how the CIELCh color 89, 2.725, 41.745 looks on a white background.

Color Contrast Check

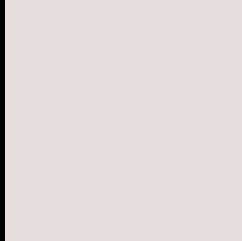
Large Text (above 18pt) WCAG AA × Fail

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, 2.725, 41.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

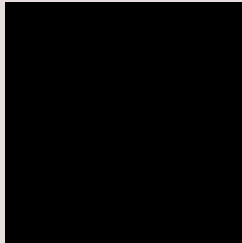
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

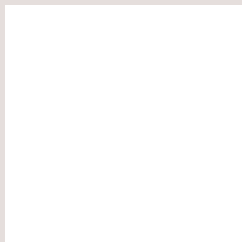
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.725, 41.745

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.725, 41.745.

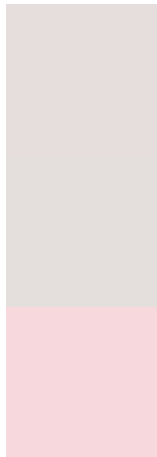


This preview shows how white text looks on a background with the CIELCh color 89, 2.725, 41.745.

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

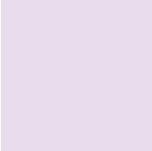
89, 2.725, 41.745

Protanopia

89, 2.392, 45.020

Deuteranopia

89, 11.276, 6.923



Tritanopia
89, 9.868, 316.199

Trichromacy



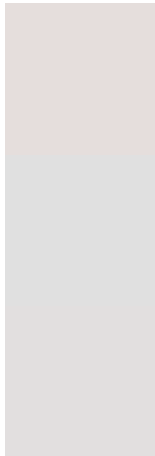
Original Color
89, 2.725, 41.745

Protanomaly
89, 2.392, 45.020

Deuteranomaly
89, 8.170, 8.961

Tritanomaly
89, 6.346, 324.634

Monochromacy



Original Color
89, 2.725, 41.745

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.078, 18.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.725, 41.745 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(229, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(229, 222, 220)  
}
```

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(229, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 222, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.725, 41.745 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(229, 222, 220) }
```

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

```
.border{ border-color:rgb(229, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(229, 222,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.725, 41.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 222, 220) }
```

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

```
.background{ background-color: rgb(229,  
222, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor