

Converting Colors

CIELCh(90, 2.547, 41.088)

Have a look what the booklet for
CIELCh(90, 2.547, 41.088) contains.

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Color

CIELCh(90, 2.717, 41.744)

Conversions

Conversions Part 1

Format	Color
Hex	E8E1DF
RGB	232, 225, 223
RGB Percent	91%, 88%, 87%
CMY	0.0904, 0.1178, 0.1256
CMYK	0.00, 0.03, 0.04, 0.09
HSL	13°, 16%, 89%
HSV	13°, 4%, 91%
XYZ	73.4937, 76.3034, 80.6386
YIQ	226.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

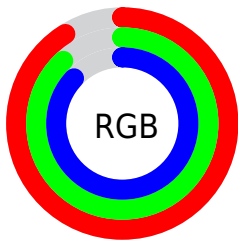
Format	Color
R_{YB}	232, 226, 223
Decimal	15262175
CIE _{Lab}	90.00, 2.03, 1.81
CIE _{LCh}	90, 2.717, 41.744
Yxy	76.3034, 0.3189, 0.3311
Android (android.graphics.Color)	4293452255 (0xFFE8E1DF)
YUV	226.8650, -1.9054, 4.5034
Hunter-Lab	87.3518, -2.6841, 6.4128

Details

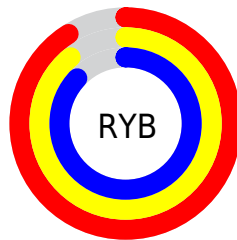
The CIELCh color **90, 2.717, 41.744** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.659, 222.499**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.520, 45.031** is the 20% darker color. If you saturate the color by 10%, you get **85, 10.126, 41.693**, and if you desaturate by 10%, it is **95, 4.130, 222.502**.

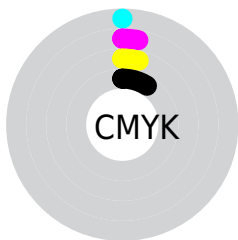
Distribution



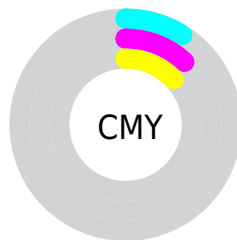
- Red (91%)
- Green (88%)
- Blue (87%)



- Red (91%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.717, 41.744 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 90, 2.717, 41.744 by changing the saturation by 10% instead.

■ 90, 2.717, 41.744

■ 90, 2.717, 41.744

■ 100, 2.717, 41.744

■ 80, 2.717, 41.744

■ 70, 2.717, 41.744

■ 60, 2.717, 41.744

■ 50, 2.717, 41.744

■ 40, 2.717, 41.744

■ 30, 2.717, 41.744

■ 20, 2.717, 41.744

■ 10, 2.717, 41.744

■ 0, 2.717, 41.744

90, 2.717, 41.744

90, 2.717, 41.744

85, 10.126, 41.693

95, 4.130, 222.502

80, 18.157, 41.556

98, 7.869, 198.992

75, 26.860, 41.535

71, 36.258, 41.676

66, 46.333, 42.011

62, 56.983, 42.555

58, 67.945, 43.261

55, 78.608, 43.936

53, 87.636, 44.073

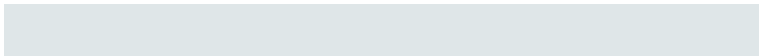
Harmonies

Complementary

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



90, 2.717, 41.744



91, 2.659, 222.499

Rectangle

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



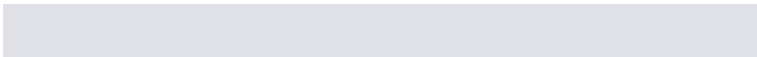
90, 2.717, 41.744



90, 2.717, 91.744



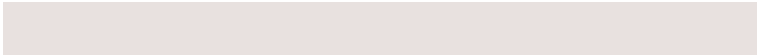
90, 2.717, 221.744



90, 2.717, 271.744

Sweetspot

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



90, 2.716, 41.796



99, 0.745, 41.243



90, 4.904, 331.290



53, 0.424, 41.200



0, 0.000, 0.000



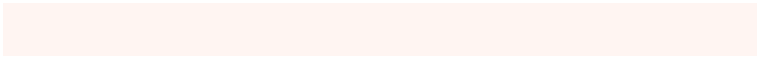
53, 0.007, 296.813

Same Dimension

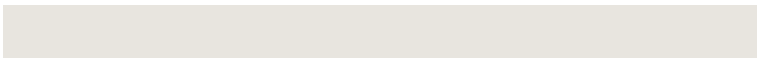
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.716, 41.796



97, 3.799, 41.813



91, 3.441, 94.387



47, 2.383, 41.813



40, 75.119, 44.309



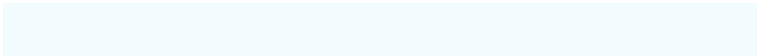
9, 23.319, 34.741

Inverse Universe

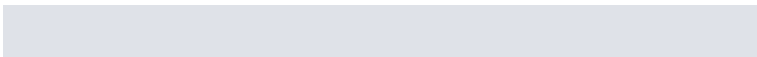
The Inverse Universe completely reimagines the original color for something new.



91, 2.659, 222.499



98, 3.691, 222.493



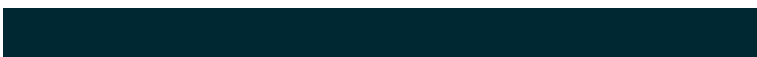
90, 3.464, 275.458



47, 2.306, 222.500



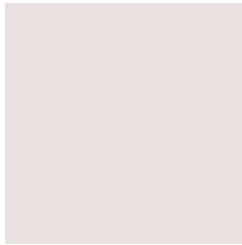
54, 34.095, 240.358



14, 14.037, 232.922

Previews

White Background



This preview shows how the CIELCh color 90, 2.717, 41.744 looks on a white background.

Color Contrast Check

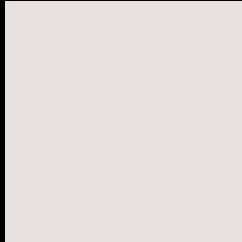
Large Text (above 18pt) WCAG AA × Fail

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 90, 2.717, 41.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

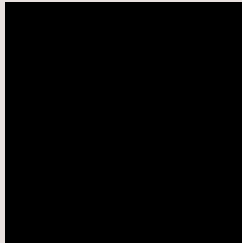
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

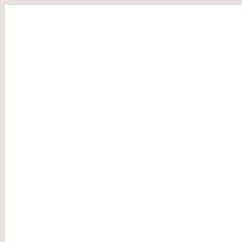
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.717, 41.744

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.717, 41.744.

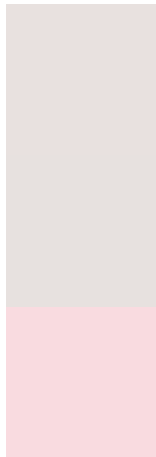


This preview shows how white text looks on a background with the CIELCh color 90, 2.717, 41.744.

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

90, 2.717, 41.744

Protanopia

90, 2.385, 45.019

Deuteranopia

90, 11.246, 6.908



Tritanopia
90, 10.322, 314.962

Trichromacy



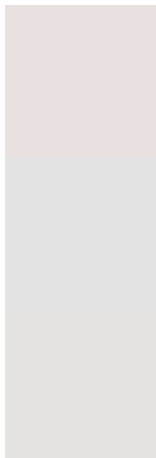
Original Color
90, 2.717, 41.744

Protanomaly
90, 2.385, 45.019

Deuteranomaly
90, 8.148, 8.950

Tritanomaly
90, 6.770, 322.161

Monochromacy



Original Color
90, 2.717, 41.744

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.075, 18.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.717, 41.744 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(232, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(232, 225, 223)  
}
```

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(232, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 225, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.717, 41.744 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(232, 225, 223) }
```

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

```
.border{ border-color:rgb(232, 225, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(232, 225,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.717, 41.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 225, 223) }
```

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

```
.background{ background-color: rgb(232,  
225, 223) }
```

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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