

Converting Colors

CIELCh(90, 8.861, 41.144)

Have a look what the booklet for
CIELCh(90, 8.861, 41.144) contains.

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Color

CIELCh(90, 8.675, 40.790)

Conversions

Conversions Part 1

Format	Color
Hex	F4DED8
RGB	244, 222, 216
RGB Percent	96%, 87%, 85%
CMY	0.0438, 0.1301, 0.1536
CMYK	0.00, 0.09, 0.11, 0.04
HSL	13°, 56%, 90%
HSV	13°, 11%, 96%
XYZ	75.6968, 76.3034, 75.5896
YIQ	227.8940, 15.0380, 2.7980

Conversions

Conversions Part 2

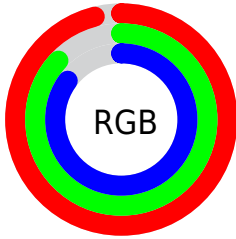
Format	Color
RYB	244, 224, 216
Decimal	16047832
CIELab	90.00, 6.57, 5.67
CIElCh	90, 8.675, 40.790
Yxy	76.3034, 0.3326, 0.3353
Android (android.graphics.Color)	4294237912 (0xFFFF4DED8)
YUV	227.8940, -5.8637, 14.1250
Hunter-Lab	87.3518, 1.8179, 9.8398

Details

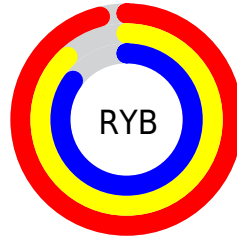
The CIELCh color **90, 8.675, 40.790** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **93, 8.071, 221.670**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 8.846, 41.638** is the 20% darker color. If you saturate the color by 10%, you get **85, 16.917, 40.696**, and if you desaturate by 10%, it is **95, 1.073, 40.542**.

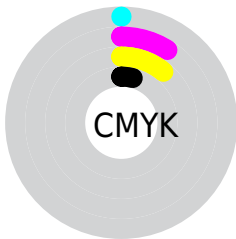
Distribution



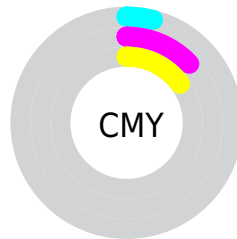
- Red (96%)
- Green (87%)
- Blue (85%)



- Red (96%)
- Yellow (88%)
- Blue (85%)



- Cyan (0%)
- Magenta (9%)
- Yellow (11%)
- Black (4%)

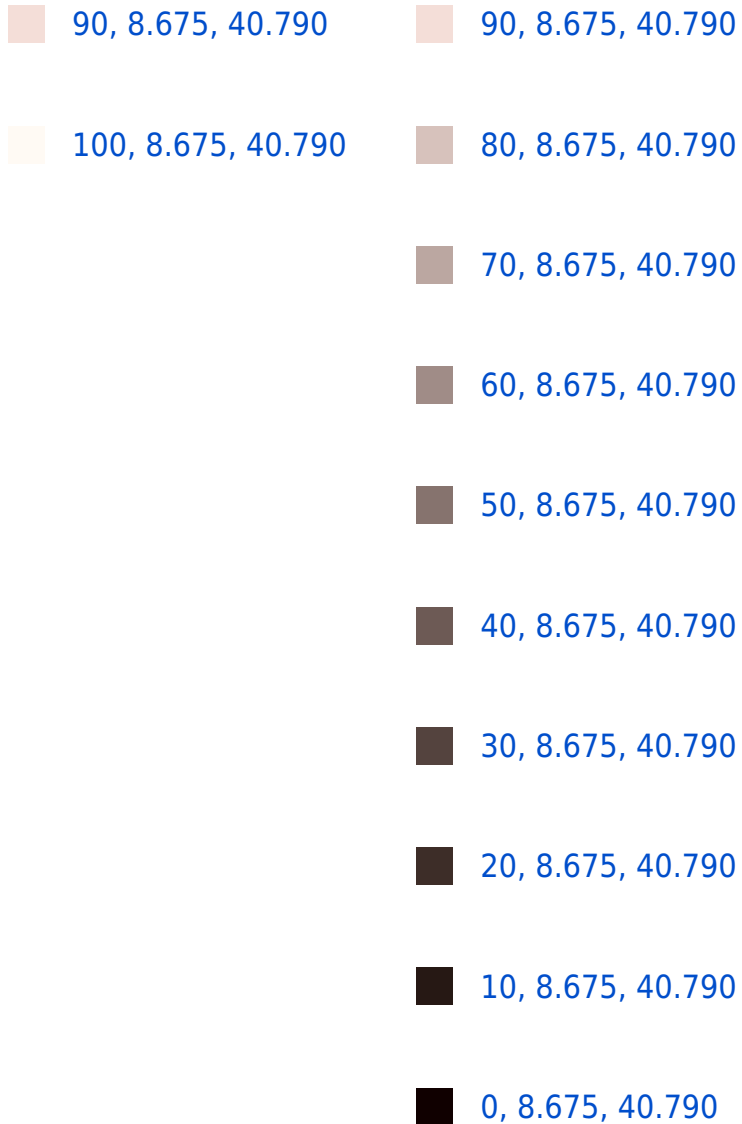


- Cyan (4%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 8.675, 40.790 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, 8.675, 40.790 by changing the saturation by 10% instead.



90, 8.675, 40.790

90, 8.675, 40.790

85, 16.917, 40.696

95, 1.073, 40.542

80, 25.855, 40.692

99, 3.859, 199.332

75, 35.520, 40.847

70, 45.905, 41.200

66, 56.923, 41.772

62, 68.345, 42.539

58, 79.636, 43.351

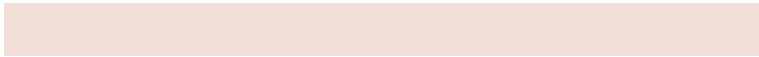
56, 89.594, 43.775

54, 95.893, 43.526

Harmonies

Complementary

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



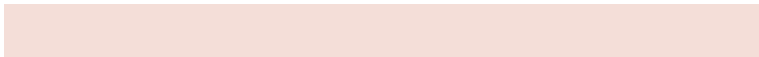
90, 8.675, 40.790



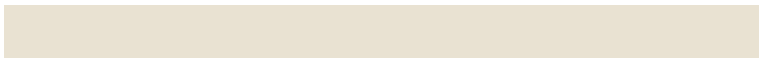
93, 8.071, 221.670

Rectangle

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



90, 8.675, 40.790



90, 8.675, 90.790



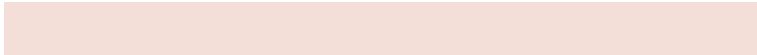
90, 8.675, 220.790



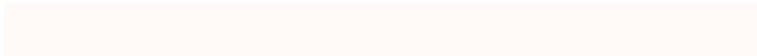
90, 8.675, 270.790

Sweetspot

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



90, 8.674, 40.808



98, 2.269, 40.797



89, 15.370, 331.227



52, 1.726, 40.836



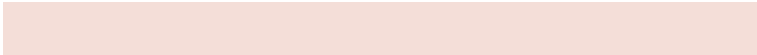
0, 0.000, 0.000



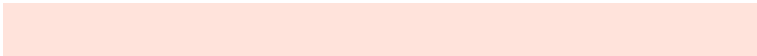
53, 0.007, 296.813

Same Dimension

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



90, 8.674, 40.808



92, 11.084, 40.773



93, 10.512, 92.261



48, 4.272, 40.834



41, 77.865, 43.950



11, 27.265, 36.718

Inverse Universe

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



93, 8.071, 221.670



96, 10.137, 221.780



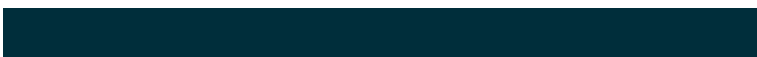
89, 10.543, 275.230



50, 4.029, 221.597



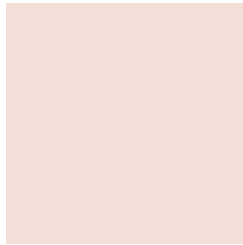
56, 34.981, 238.728



17, 15.335, 232.549

Previews

White Background



This preview shows how the CIELCh color 90, 8.675, 40.790 looks on a white background.

Color Contrast Check

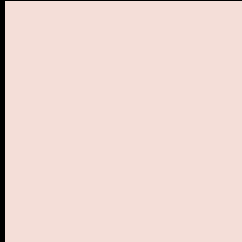
Large Text (above 18pt) WCAG AA × Fail

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, 8.675, 40.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

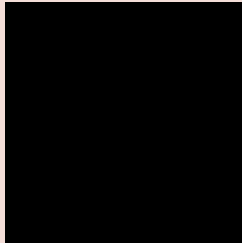
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

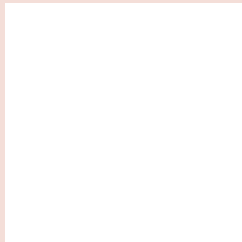
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 8.675, 40.790

Background



This preview shows how black text looks on a background with the CIELCh color 90, 8.675, 40.790.

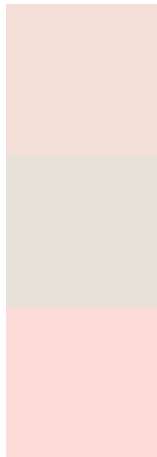


This preview shows how white text looks on a background with the CIELCh color 90, 8.675, 40.790.

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, 8.675, 40.790

Protanopia

90, 4.410, 74.592

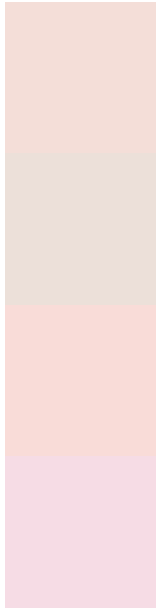
Deuteranopia

90, 12.322, 27.426



Tritanopia
90, 13.374, 339.132

Trichromacy



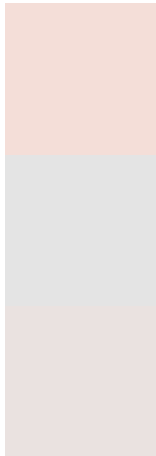
Original Color
90, 8.675, 40.790

Protanomaly
90, 5.673, 59.206

Deuteranomaly
90, 10.920, 30.983

Tritanomaly
90, 10.501, 353.797

Monochromacy



Original Color
90, 8.675, 40.790

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 3.054, 39.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 8.675, 40.790 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(244, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(244, 222, 216)  
}
```

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(244, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 222, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 8.675, 40.790 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(244, 222, 216) }
```

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

```
.border{ border-color:rgb(244, 222, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 222, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 222, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 222, 216); box-shadow:4px 4px 4px 4px rgb(244, 222, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 8.675, 40.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 222, 216) }
```

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

```
.background{ background-color: rgb(244,  
222, 216) }
```

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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