

Converting Colors

CIELCh(90, 2.334, 75.654)

Have a look what the booklet for
CIELCh(90, 2.334, 75.654) contains.

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Color

CIELCh(90, 2.320, 82.206)

Conversions

Conversions Part 1

Format	Color
Hex	E5E2DE
RGB	229, 226, 222
RGB Percent	90%, 89%, 87%
CMY	0.1021, 0.1138, 0.1295
CMYK	0.00, 0.01, 0.03, 0.10
HSL	34°, 12%, 88%
HSV	34°, 3%, 90%
XYZ	72.6740, 76.3034, 79.9859
YIQ	226.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

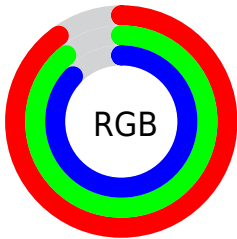
Format	Color
RYB	227, 229, 222
Decimal	15065822
CIELab	90.00, 0.31, 2.30
CIELCh	90, 2.320, 82.206
Yxy	76.3034, 0.3174, 0.3333
Android (android.graphics.Color)	4293255902 (0xFFE5E2DE)
YUV	226.4410, -2.1894, 2.2442
Hunter-Lab	87.3518, -4.3592, 6.8559

Details

The CIELCh color **90, 2.320, 82.206** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 2.328, 263.329**, 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, 2.448, 82.127** is the 20% darker color. If you saturate the color by 10%, you get **87, 10.115, 81.094**, and if you desaturate by 10%, it is **93, 5.216, 263.716**.

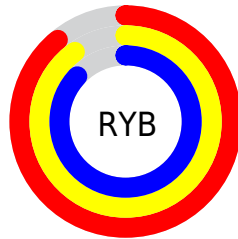
Distribution



Red (90%)

Green (89%)

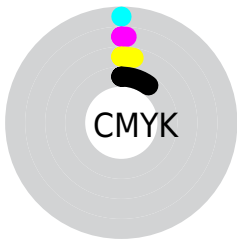
Blue (87%)



Red (89%)

Yellow (90%)

Blue (87%)

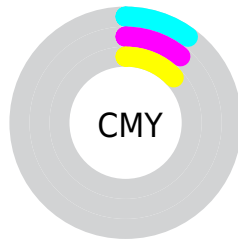


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.320, 82.206 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, 2.320, 82.206 by changing the saturation by 10% instead.



90, 2.320, 82.206

90, 2.320, 82.206

87, 10.115, 81.094

93, 5.216, 263.716

84, 18.184, 79.791

96, 7.355, 240.362

81, 26.530, 78.445

98, 8.862, 198.920

78, 35.133, 77.065

76, 43.919, 75.645

73, 52.721, 74.160

70, 61.190, 72.548

68, 68.686, 70.670

66, 74.241, 68.281

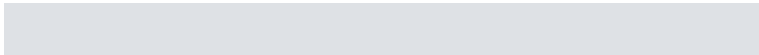
Harmonies

Complementary

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



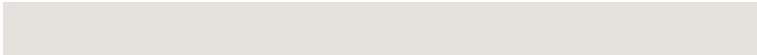
90, 2.320, 82.206



89, 2.328, 263.329

Rectangle

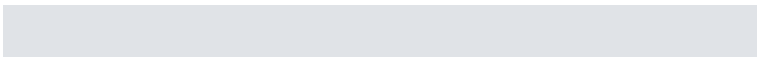
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 2.320, 82.206



90, 2.320, 132.206



90, 2.320, 262.206



90, 2.320, 312.206

Sweetspot

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



90, 2.321, 82.262



100, 0.819, 82.212



89, 2.985, 347.512



53, 0.466, 82.194



0, 0.000, 0.000



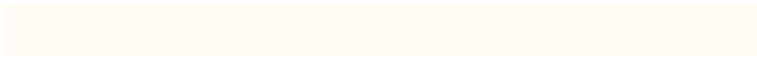
53, 0.007, 296.813

Same Dimension

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



90, 2.321, 82.262



99, 3.323, 82.176



91, 3.618, 112.528



47, 2.170, 82.103



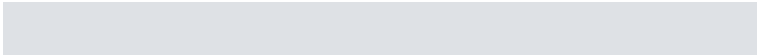
51, 63.691, 66.928



13, 21.153, 68.545

Inverse Universe

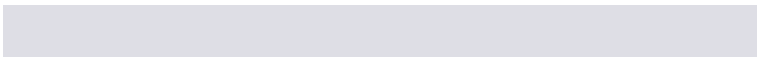
The Inverse Universe completely reimagines the original color for something new.



89, 2.328, 263.329



98, 3.323, 263.421



89, 3.662, 293.079



47, 2.165, 263.499



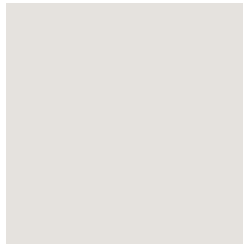
35, 63.371, 290.248



7, 22.336, 282.094

Previews

White Background



This preview shows how the CIELCh color 90, 2.320, 82.206 looks on a white background.

Color Contrast Check

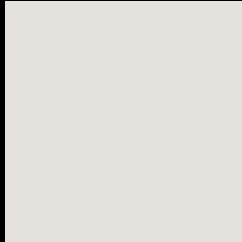
Large Text (above 18pt) WCAG AA × Fail

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, 2.320, 82.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

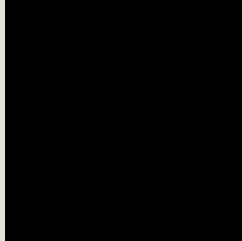
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

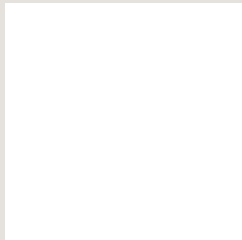
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.320, 82.206

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.320, 82.206.

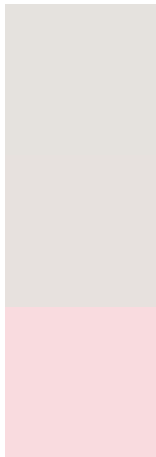


This preview shows how white text looks on a background with the CIELCh color 90, 2.320, 82.206.

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, 2.320, 82.206

Protanopia

90, 2.650, 55.183

Deuteranopia

90, 11.155, 9.503



Tritanopia
90, 9.924, 309.388

Trichromacy



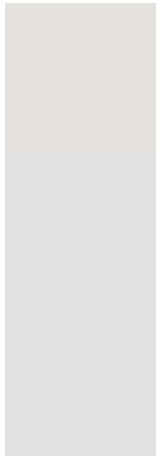
Original Color
90, 2.320, 82.206

Protanomaly
90, 2.365, 60.305

Deuteranomaly
90, 7.292, 15.783

Tritanomaly
90, 5.793, 315.876

Monochromacy



Original Color
90, 2.320, 82.206

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.619, 74.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.320, 82.206 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, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 222)  
}
```

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, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.320, 82.206 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, 226, 222) }
```

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

```
.border{ border-color:rgb(229, 226, 222) }
```

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

Here you see how a box with a 4 pixel rgb(229, 226, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.320, 82.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 222) }
```

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

```
.background{ background-color: rgb(229,  
226, 222) }
```

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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