

Converting Colors

CIELCh(90, 2.689, 25.455)

Have a look what the booklet for
CIELCh(90, 2.689, 25.455) contains.

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Color

CIELCh(90, 2.567, 30.980)

Conversions

Conversions Part 1

Format	Color
Hex	E8E1E0
RGB	232, 225, 224
RGB Percent	91%, 88%, 88%
CMY	0.0906, 0.1181, 0.1220
CMYK	0.00, 0.03, 0.03, 0.09
HSL	8°, 15%, 89%
HSV	8°, 3%, 91%
XYZ	73.5771, 76.3034, 81.2924
YIQ	226.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

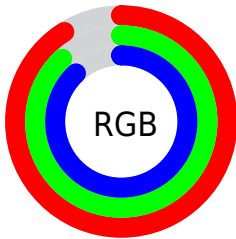
Format	Color
R _Y B	232, 225, 224
Decimal	15262176
CIE Lab	90.00, 2.20, 1.32
CIE LCh	90, 2.567, 30.980
Yxy	76.3034, 0.3183, 0.3301
Android (android.graphics.Color)	4293452256 (0xFFE8E1E0)
YUV	226.9790, -1.4686, 4.4034
Hunter-Lab	87.3518, -2.5136, 5.9691

Details

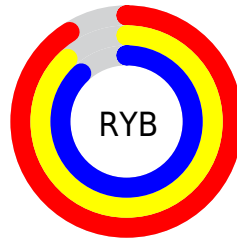
The CIELCh color **90, 2.567, 30.980** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.512, 211.443**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.337, 32.881** is the 20% darker color. If you saturate the color by 10%, you get **84, 10.430, 31.411**, and if you desaturate by 10%, it is **96, 4.683, 211.318**.

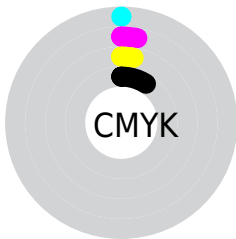
Distribution



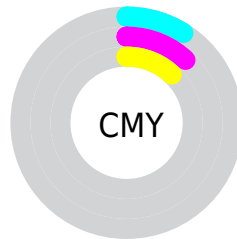
- Red (91%)
- Green (88%)
- Blue (88%)



- Red (91%)
- Yellow (88%)
- Blue (88%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.567, 30.980 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, 2.567, 30.980 by changing the saturation by 10% instead.

 90, 2.567, 30.980	 90, 2.567, 30.980
 100, 2.567, 30.980	 80, 2.567, 30.980
	 70, 2.567, 30.980
	 60, 2.567, 30.980
	 50, 2.567, 30.980
	 40, 2.567, 30.980
	 30, 2.567, 30.980
	 20, 2.567, 30.980
	 10, 2.567, 30.980
	 0, 2.567, 30.980

90, 2.567, 30.980

90, 2.567, 30.980

84, 10.430, 31.411

96, 4.683, 211.318

79, 18.965, 31.781

98, 7.892, 198.990

74, 28.206, 32.326

69, 38.150, 33.113

64, 48.739, 34.203

59, 59.820, 35.641

56, 71.087, 37.413

53, 81.914, 39.331

51, 90.921, 40.808

Harmonies

Complementary

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



90, 2.567, 30.980



91, 2.512, 211.443

Rectangle

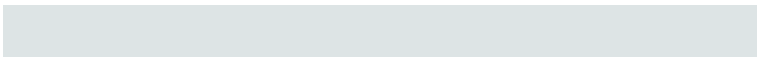
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



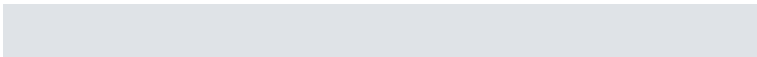
90, 2.567, 30.980



90, 2.567, 80.980



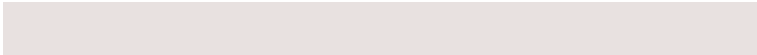
90, 2.567, 210.980



90, 2.567, 260.980

Sweetspot

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



90, 2.566, 31.031



99, 0.795, 30.405



90, 4.679, 327.916



53, 0.452, 30.360



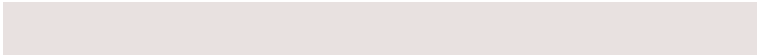
0, 0.000, 0.000



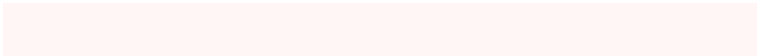
53, 0.007, 296.813

Same Dimension

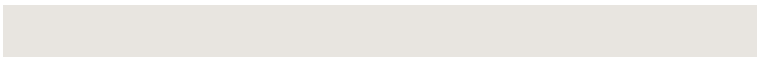
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.566, 31.031



98, 3.222, 31.074



91, 2.761, 86.373



47, 2.106, 31.116



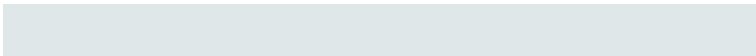
38, 77.939, 41.677



8, 24.820, 28.597

Inverse Universe

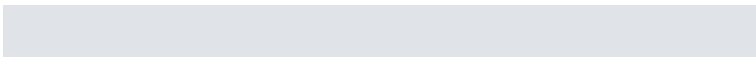
The Inverse Universe completely reimagines the original color for something new.



91, 2.512, 211.443



99, 3.142, 211.404



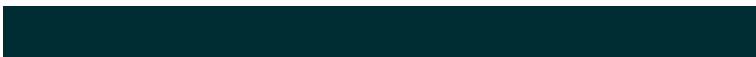
90, 2.771, 267.468



48, 2.045, 211.368



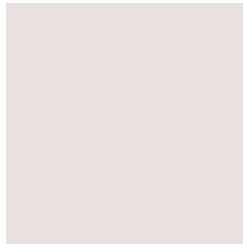
59, 33.622, 219.374



16, 14.270, 215.387

Previews

White Background



This preview shows how the CIE LCh color 90, 2.567, 30.980 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, 2.567, 30.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

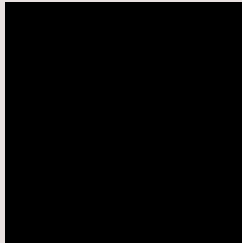
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

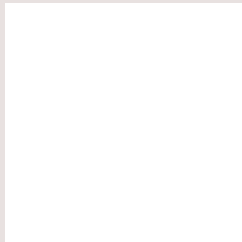
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.567, 30.980

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.567, 30.980.

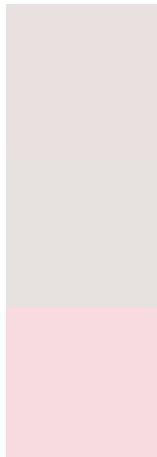


This preview shows how white text looks on a background with the CIELCh color 90, 2.567, 30.980.

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, 2.567, 30.980

Protanopia
90, 2.213, 32.813

Deuteranopia
90, 11.006, 3.802



Tritanopia
90, 10.322, 314.962

Trichromacy



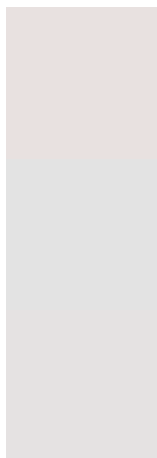
Original Color
90, 2.567, 30.980

Protanomaly
90, 2.213, 32.813

Deuteranomaly
90, 7.898, 4.715

Tritanomaly
90, 6.770, 322.161

Monochromacy



Original Color
90, 2.567, 30.980

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, 2.567, 30.980 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 225, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 225, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.567, 30.980 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, 224) }
```

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

```
.border{ border-color:rgb(232, 225, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 225,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.567, 30.980 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, 224) }
```

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

```
.background{ background-color: rgb(232,  
225, 224) }
```

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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