

Converting Colors

CIELCh(91, 3.444, 87.822)

Have a look what the booklet for
CIELCh(91, 3.444, 87.822) contains.

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Color

CIELCh(91, 3.267, 90.565)

Conversions

Conversions Part 1

Format	Color
Hex	E8E5DF
RGB	232, 229, 223
RGB Percent	91%, 90%, 87%
CMY	0.0904, 0.1021, 0.1257
CMYK	0.00, 0.01, 0.04, 0.09
HSL	40°, 16%, 89%
HSV	40°, 4%, 91%
XYZ	74.5804, 78.4833, 80.9952
YIQ	229.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

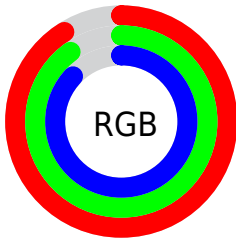
Format	Color
R _Y B	228, 232, 223
Decimal	15263199
CIE Lab	91.00, -0.03, 3.27
CIE LCh	91, 3.267, 90.565
Yxy	78.4833, 0.3186, 0.3353
Android (android.graphics.Color)	4293453279 (0xFFE8E5DF)
YUV	229.2130, -3.0630, 2.4442
Hunter-Lab	88.5908, -4.7632, 7.8070

Details

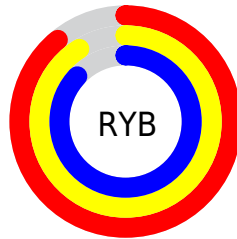
The CIELCh color **91, 3.267, 90.565** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 3.284, 271.730**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 3.340, 96.658** is the 20% darker color. If you saturate the color by 10%, you get **89, 11.845, 89.397**, and if you desaturate by 10%, it is **94, 5.127, 271.954**.

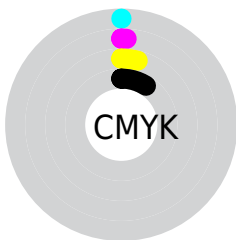
Distribution



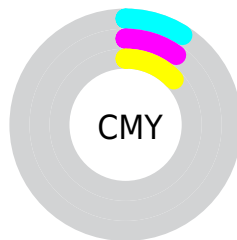
- Red (91%)
- Green (90%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 3.267, 90.565 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 91, 3.267, 90.565 by changing the saturation by 10% instead.

 91, 3.267, 90.565	 91, 3.267, 90.565
 100, 3.267, 90.565	 81, 3.267, 90.565
	 71, 3.267, 90.565
	 61, 3.267, 90.565
	 51, 3.267, 90.565
	 41, 3.267, 90.565
	 31, 3.267, 90.565
	 21, 3.267, 90.565
	 11, 3.267, 90.565
	 1, 3.267, 90.565

91, 3.267, 90.565

91, 3.267, 90.565

89, 11.845, 89.397

94, 5.127, 271.954

86, 20.601, 88.098

96, 6.833, 252.168

84, 29.513, 86.753

98, 7.013, 211.212

81, 38.525, 85.366

98, 7.872, 198.992

79, 47.514, 83.933

77, 56.242, 82.434

75, 64.276, 80.822

73, 70.908, 78.995

71, 75.236, 76.780

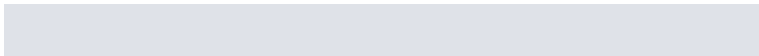
Harmonies

Complementary

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



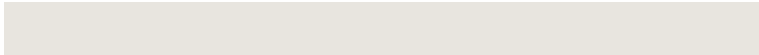
91, 3.267, 90.565



90, 3.284, 271.730

Rectangle

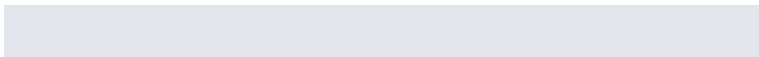
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



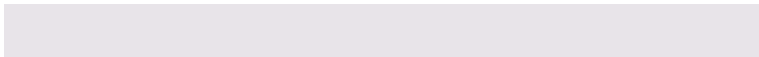
91, 3.267, 90.565



91, 3.267, 140.565



91, 3.267, 270.565



91, 3.267, 320.565

Sweetspot

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



91, 3.268, 90.602



100, 0.899, 90.718



90, 3.605, 353.903



53, 0.511, 90.707



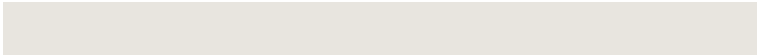
0, 0.000, 0.000



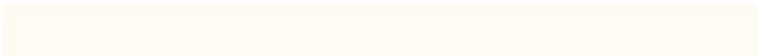
53, 0.007, 296.813

Same Dimension

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



91, 3.268, 90.602



99, 4.558, 90.478



92, 4.673, 116.428



47, 2.855, 90.405



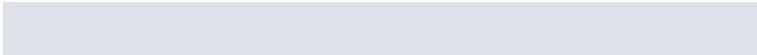
55, 63.158, 75.765



15, 22.095, 78.579

Inverse Universe

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



90, 3.284, 271.730



97, 4.572, 271.861



89, 4.731, 296.989



46, 2.862, 271.940



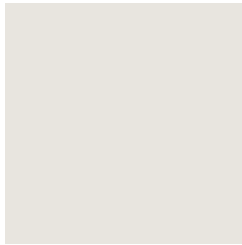
30, 74.706, 296.534



6, 25.484, 287.793

Previews

White Background



This preview shows how the CIELCh color 91, 3.267, 90.565 looks on a white background.

Color Contrast Check

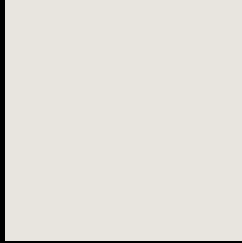
Large Text (above 18pt) WCAG AA × Fail

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 91, 3.267, 90.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

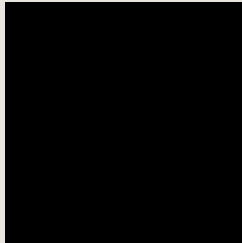
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

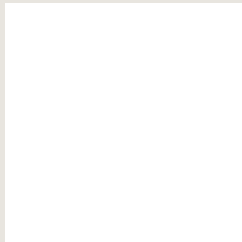
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 3.267, 90.565

Background



This preview shows how black text looks on a background with the CIELCh color 91, 3.267, 90.565.

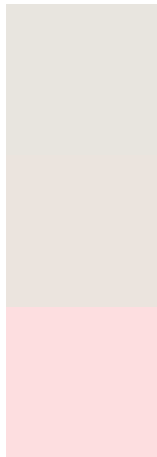


This preview shows how white text looks on a background with the CIELCh color 91, 3.267, 90.565.

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

91, 3.267, 90.565

Protanopia

91, 3.985, 70.386

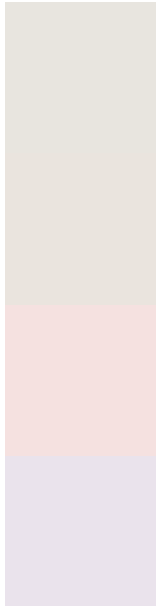
Deuteranopia

91, 11.384, 14.988



Tritanopia
91, 9.900, 309.384

Trichromacy



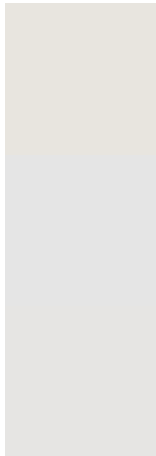
Original Color
91, 3.267, 90.565

Protanomaly
91, 3.765, 74.686

Deuteranomaly
91, 7.291, 23.883

Tritanomaly
91, 5.317, 318.265

Monochromacy



Original Color
91, 3.267, 90.565

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.081, 90.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 3.267, 90.565 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, 229, 223)` looks like.

```
.text, #text, p{  
    color:rgb(232, 229, 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, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 229, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 3.267, 90.565 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, 229, 223) }
```

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

```
.border{ border-color:rgb(232, 229, 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, 229, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 229, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 229, 223); box-shadow:4px 4px 4px 4px rgb(232, 229, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 3.267, 90.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 229, 223) }
```

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

```
.background{ background-color: rgb(232,  
229, 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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