

Converting Colors

CIELCh(91, 4.270, 65.145)

Have a look what the booklet for
CIELCh(91, 4.270, 65.145) contains.

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Color

CIELCh(91, 4.224, 66.550)

Conversions

Conversions Part 1

Format	Color
Hex	ECE4DE
RGB	236, 228, 222
RGB Percent	93%, 89%, 87%
CMY	0.0751, 0.1064, 0.1300
CMYK	0.00, 0.03, 0.06, 0.08
HSL	26°, 27%, 90%
HSV	26°, 6%, 92%
XYZ	75.4146, 78.4833, 80.1823
YIQ	229.7080, 6.6940, -0.1700

Conversions

Conversions Part 2

Format	Color
R _Y B	236, 233, 222
Decimal	15525086
CIE Lab	91.00, 1.68, 3.88
CIE LCh	91, 4.224, 66.550
Yxy	78.4833, 0.3222, 0.3353
Android (android.graphics.Color)	4293715166 (0xFFECE4DE)
YUV	229.7080, -3.8000, 5.5181
Hunter-Lab	88.5908, -3.0823, 8.3510

Details

The CIELCh color **91, 4.224, 66.550** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91, 4.147, 248.146**, 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, 4.207, 70.228** is the 20% darker color. If you saturate the color by 10%, you get **87, 11.685, 65.558**, and if you desaturate by 10%, it is **95, 2.828, 247.963**.

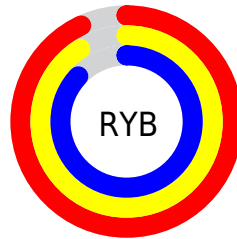
Distribution



Red (93%)

Green (89%)

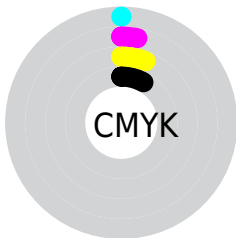
Blue (87%)



Red (93%)

Yellow (91%)

Blue (87%)

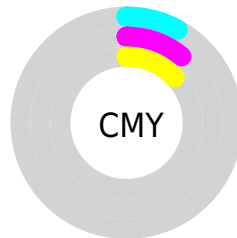


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.224, 66.550 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, 4.224, 66.550 by changing the saturation by 10% instead.

 91, 4.224, 66.550	 91, 4.224, 66.550
 100, 4.224, 66.550	 81, 4.224, 66.550
	 71, 4.224, 66.550
	 61, 4.224, 66.550
	 51, 4.224, 66.550
	 41, 4.224, 66.550
	 31, 4.224, 66.550
	 21, 4.224, 66.550
	 11, 4.224, 66.550
	 1, 4.224, 66.550

91, 4.224, 66.550

91, 4.224, 66.550

87, 11.685, 65.558

95, 2.828, 247.963

83, 19.596, 64.482

99, 6.494, 199.977

79, 27.989, 63.415

99, 6.563, 199.091

76, 36.873, 62.369

72, 46.208, 61.343

69, 55.852, 60.303

66, 65.459, 59.158

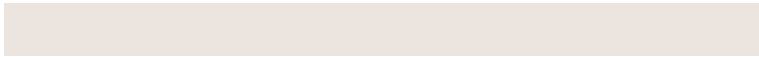
63, 74.301, 57.689

60, 81.150, 55.491

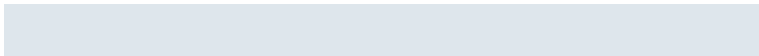
Harmonies

Complementary

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



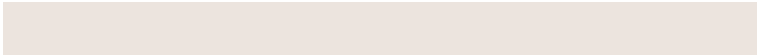
91, 4.224, 66.550



91, 4.147, 248.146

Rectangle

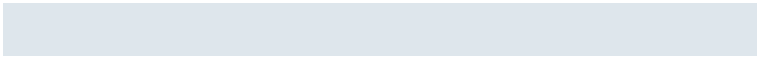
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.224, 66.550



91, 4.224, 116.550



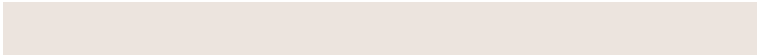
91, 4.224, 246.550



91, 4.224, 296.550

Sweetspot

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



91, 4.224, 66.585



99, 1.495, 66.790



90, 6.598, 339.808



53, 0.850, 66.783



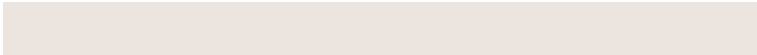
0, 0.000, 0.000



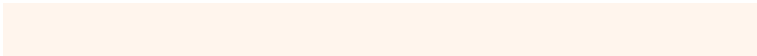
53, 0.007, 296.813

Same Dimension

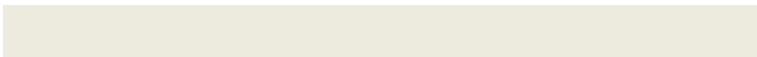
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 4.224, 66.585



97, 5.326, 66.483



93, 6.606, 105.972



48, 3.237, 66.430



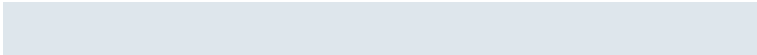
46, 68.127, 55.180



12, 22.365, 53.440

Inverse Universe

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



91, 4.147, 248.146



97, 5.205, 248.263



89, 6.695, 287.249



47, 3.156, 248.324



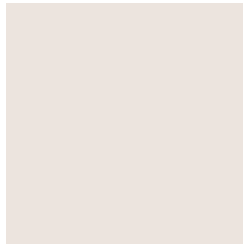
43, 48.257, 276.072



11, 18.227, 267.324

Previews

White Background



This preview shows how the CIE LCh color 91, 4.224, 66.550 looks on a white background.

Color Contrast Check

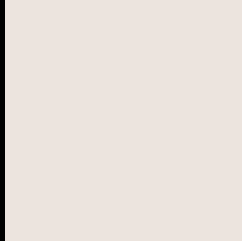
Large Text (above 18pt) WCAG AA × Fail

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, 4.224, 66.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

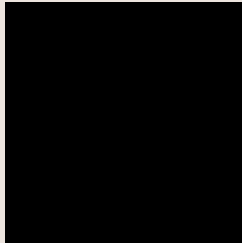
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

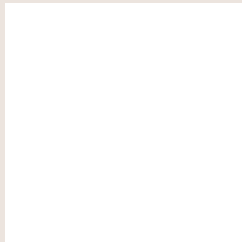
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.224, 66.550

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.224, 66.550.

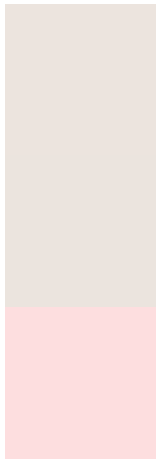


This preview shows how white text looks on a background with the CIELCh color 91, 4.224, 66.550.

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, 4.224, 66.550

Protanopia

91, 3.985, 70.386

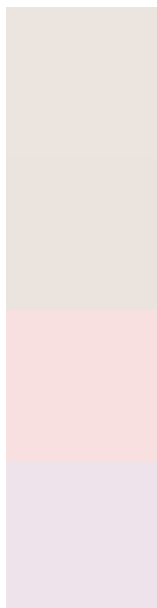
Deuteranopia

91, 11.367, 17.576



Tritanopia
91, 10.152, 319.803

Trichromacy



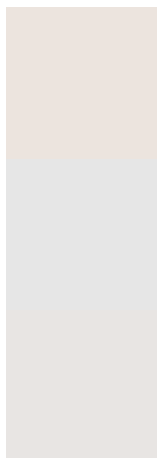
Original Color
91, 4.224, 66.550

Protanomaly
91, 3.985, 70.386

Deuteranomaly
91, 8.407, 23.436

Tritanomaly
91, 6.359, 332.608

Monochromacy



Original Color
91, 4.224, 66.550

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.477, 63.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.224, 66.550 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(236, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 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(236, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.224, 66.550 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(236, 228, 222) }
```

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

```
.border{ border-color:rgb(236, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.224, 66.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 222) }
```

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

```
.background{ background-color: rgb(236,  
228, 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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