

Converting Colors

CIELCh(90, 4.384, 68.276)

Have a look what the booklet for
CIELCh(90, 4.384, 68.276) contains.

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Color

CIELCh(90, 4.235, 66.543)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1DB
RGB	233, 225, 219
RGB Percent	91%, 88%, 86%
CMY	0.0862, 0.1175, 0.1411
CMYK	0.00, 0.03, 0.06, 0.09
HSL	26°, 24%, 89%
HSV	26°, 6%, 91%
XYZ	73.3298, 76.3034, 77.8949
YIQ	226.7080, 6.6940, -0.1700

Conversions

Conversions Part 2

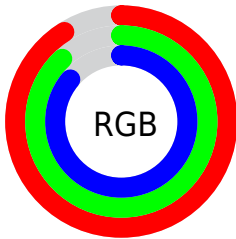
Format	Color
R _Y B	233, 230, 219
Decimal	15327707
CIE Lab	90.00, 1.69, 3.89
CIE LCh	90, 4.235, 66.543
Yxy	76.3034, 0.3223, 0.3354
Android (android.graphics.Color)	4293517787 (0xFFE9E1DB)
YUV	226.7080, -3.8000, 5.5181
Hunter-Lab	87.3518, -3.0191, 8.2751

Details

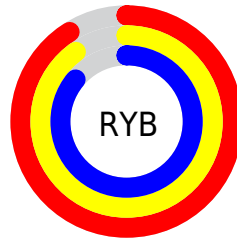
The CIELCh color **90, 4.235, 66.543** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 4.157, 248.152**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 4.221, 70.216** is the 20% darker color. If you saturate the color by 10%, you get **86, 11.626, 65.550**, and if you desaturate by 10%, it is **94, 2.751, 247.957**.

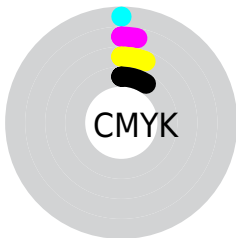
Distribution



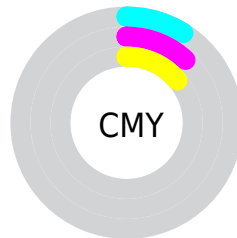
- Red (91%)
- Green (88%)
- Blue (86%)



- Red (91%)
- Yellow (90%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.235, 66.543 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, 4.235, 66.543 by changing the saturation by 10% instead.

90, 4.235, 66.543

90, 4.235, 66.543

100, 4.235, 66.543

80, 4.235, 66.543

70, 4.235, 66.543

60, 4.235, 66.543

50, 4.235, 66.543

40, 4.235, 66.543

30, 4.235, 66.543

20, 4.235, 66.543

10, 4.235, 66.543

0, 4.235, 66.543

90, 4.235, 66.543

90, 4.235, 66.543

86, 11.626, 65.550

94, 2.751, 247.957

82, 19.462, 64.475

98, 6.559, 214.300

79, 27.776, 63.408

98, 7.514, 199.018

75, 36.575, 62.364

71, 45.820, 61.338

68, 55.371, 60.299

65, 64.884, 59.154

62, 73.637, 57.686

59, 80.418, 55.489

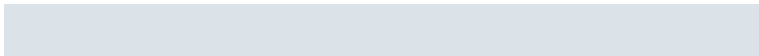
Harmonies

Complementary

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



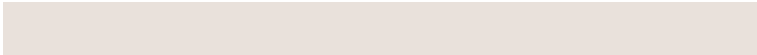
90, 4.235, 66.543



90, 4.157, 248.152

Rectangle

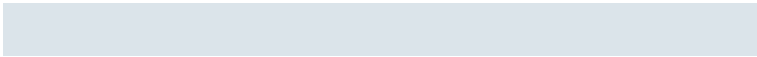
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 4.235, 66.543



90, 4.235, 116.543



90, 4.235, 246.543



90, 4.235, 296.543

Sweetspot

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



90, 4.235, 66.578



99, 1.495, 66.789



89, 6.614, 339.814



53, 0.850, 66.782



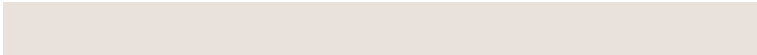
0, 0.000, 0.000



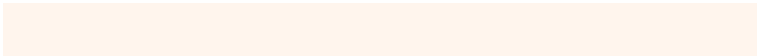
53, 0.007, 296.813

Same Dimension

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



90, 4.235, 66.578



97, 5.326, 66.482



92, 6.622, 105.965



48, 3.237, 66.429



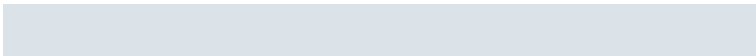
46, 68.127, 55.179



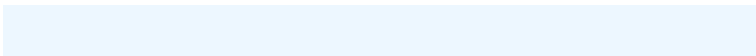
12, 22.365, 53.439

Inverse Universe

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



90, 4.157, 248.152



97, 5.205, 248.262



88, 6.711, 287.256



47, 3.156, 248.323



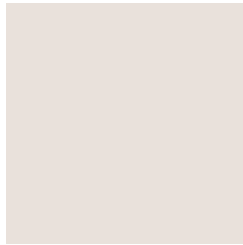
43, 48.256, 276.071



11, 18.226, 267.323

Previews

White Background



This preview shows how the CIELCh color 90, 4.235, 66.543 looks on a white background.

Color Contrast Check

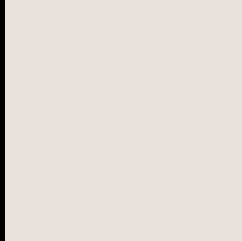
Large Text (above 18pt) WCAG AA × Fail

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, 4.235, 66.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

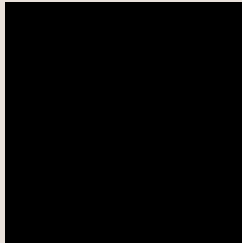
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

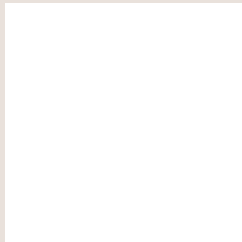
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.235, 66.543

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.235, 66.543.

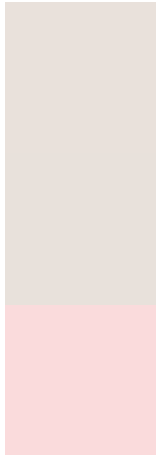


This preview shows how white text looks on a background with the CIELCh color 90, 4.235, 66.543.

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, 4.235, 66.543

Protanopia

90, 3.995, 70.379

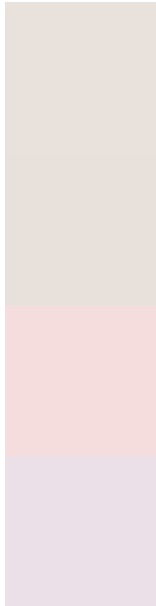
Deuteranopia

90, 11.399, 17.588



Tritanopia
90, 10.177, 319.807

Trichromacy



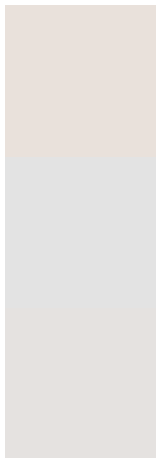
Original Color
90, 4.235, 66.543

Protanomaly
90, 3.995, 70.379

Deuteranomaly
90, 8.430, 23.443

Tritanomaly
90, 6.374, 332.613

Monochromacy



Original Color
90, 4.235, 66.543

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.481, 63.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.235, 66.543 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(233, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 219)  
}
```

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(233, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.235, 66.543 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(233, 225, 219) }
```

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

```
.border{ border-color:rgb(233, 225, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.235, 66.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 219) }
```

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

```
.background{ background-color: rgb(233,  
225, 219) }
```

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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