

Converting Colors

CIELCh(90, 4.403, 101.695)

Have a look what the booklet for
CIELCh(90, 4.403, 101.695) contains.

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Color

CIELCh(90, 4.665, 105.325)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E4E3DA |
| RGB | 228, 227, 218 |
| RGB Percent | 89%, 89%, 85% |
| CMY | 0.1069, 0.1108, 0.1461 |
| CMYK | 0.00, 0.00, 0.04, 0.11 |
| HSL | 54°, 16%, 87% |
| HSV | 54°, 4%, 89% |
| XYZ | 71.9385, 76.3034, 77.0953 |
| YIQ | 226.2730, 3.4850, -2.5870 |

Conversions

Conversions Part 2

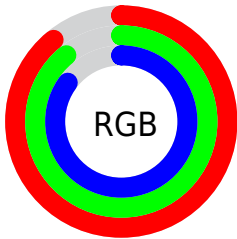
| Format | Color |
|-------------------------------------|---|
| RYB | 219, 228, 218 |
| Decimal | 15000538 |
| CIELab | 90.00, -1.23, 4.50 |
| CIELCh | 90, 4.665, 105.325 |
| Yxy | 76.3034, 0.3192, 0.3386 |
| Android (android.graphics.Color) | 4293190618 (0xFFE4E3DA) |
| YUV | 226.2730, -4.0786, 1.5146 |
| Hunter-Lab | 87.3518, -5.8621, 8.8178 |

Details

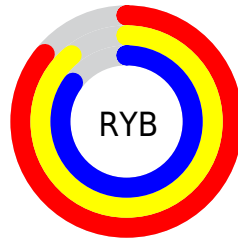
The CIELCh color `90, 4.665, 105.325` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 4.721, 286.318`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 4.915, 105.196` is the 20% darker color. If you saturate the color by 10%, you get `89, 15.329, 104.307`, and if you desaturate by 10%, it is `91, 5.978, 286.418`.

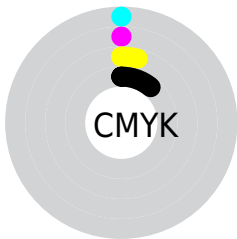
Distribution



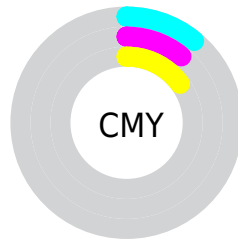
- Red (89%)
- Green (89%)
- Blue (85%)



- Red (86%)
- Yellow (89%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.665, 105.325 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, 4.665, 105.325 by changing the saturation by 10% instead.

■ 90, 4.665, 105.325

■ 90, 4.665, 105.325

■ 100, 4.665,
105.325

■ 80, 4.665, 105.325

■ 70, 4.665, 105.325

■ 60, 4.665, 105.325

■ 50, 4.665, 105.325

■ 40, 4.665, 105.325

■ 30, 4.665, 105.325

■ 20, 4.665, 105.325

■ 10, 4.665, 105.325

■ 0, 4.665, 105.325

90, 4.665, 105.325

90, 4.665, 105.325

89, 15.329,
104.307

91, 5.978, 286.418

88, 25.958,
103.233

92, 12.305,
285.555

87, 36.474,
102.149

93, 11.214,
280.936

86, 46.741,
101.071

93, 10.210,
275.388

85, 56.539,
100.015

94, 9.322, 268.732

94, 8.583, 260.831

84, 65.519, 99.000

95, 8.033, 251.681

84, 73.167, 98.047

96, 7.713, 241.514

83, 78.844, 97.168

96, 7.648, 230.854

82, 81.997, 96.360

Harmonies

Complementary

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



90, 4.665, 105.325



87, 4.721, 286.318

Rectangle

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



90, 4.665, 105.325



90, 4.665, 155.325



90, 4.665, 285.325



90, 4.665, 335.325

Sweetspot

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



90, 4.667, 105.346



100, 1.156, 105.612



88, 3.664, 11.342



53, 0.657, 105.611



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, 4.667, 105.346



99, 5.828, 105.282



90, 5.386, 125.305



48, 3.648, 105.217



66, 69.141, 96.045



19, 26.748, 97.868

Inverse Universe

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



87, 4.721, 286.318



96, 5.898, 286.386



88, 5.443, 305.701



46, 3.694, 286.455



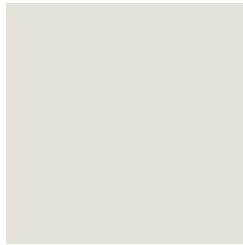
23, 97.492, 304.923



3, 31.354, 294.772

Previews

White Background



This preview shows how the CIELCh color 90, 4.665, 105.325 looks on a white background.

Color Contrast Check

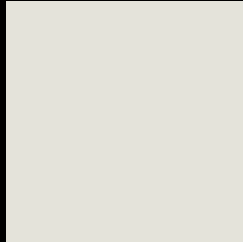
Large Text (above 18pt) WCAG AA × Fail

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, 4.665, 105.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

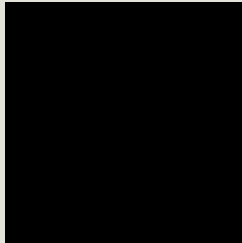
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

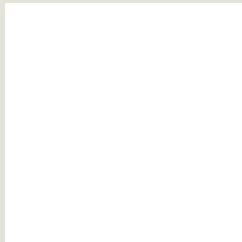
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.665, 105.325

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.665, 105.325.

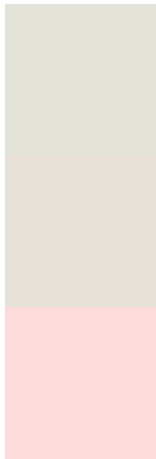


This preview shows how white text looks on a background with the CIELCh color 90, 4.665, 105.325.

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

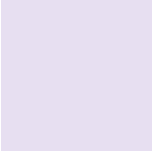
90, 4.665, 105.325

Protanopia

90, 4.846, 78.057

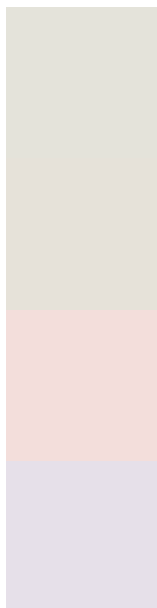
Deuteranopia

90, 11.782, 20.206



Tritanopia
90, 9.816, 307.447

Trichromacy



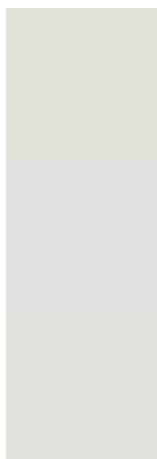
Original Color
90, 4.665, 105.325

Protanomaly
90, 4.866, 92.381

Deuteranomaly
90, 7.842, 31.253

Tritanomaly
90, 5.171, 314.791

Monochromacy



Original Color
90, 4.665, 105.325

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.583, 96.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.665, 105.325 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(228, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 218)  
}
```

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(228, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.665, 105.325 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(228, 227, 218) }
```

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

```
.border{ border-color:rgb(228, 227, 218) }
```

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

Here you see how a box with a 4 pixel rgb(228, 227, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.665, 105.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 218) }
```

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

```
.background{ background-color: rgb(228,  
227, 218) }
```

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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