

Converting Colors

CIELCh(90, 0.700, 328.956)

Have a look what the booklet for
CIELCh(90, 0.700, 328.956) contains.

CIELCh(90, 0.643, 324.026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 0.643, 324.026)

Conversions

Conversions Part 1

Format	Color
Hex	E3E2E3
RGB	227, 226, 227
RGB Percent	89%, 89%, 89%
CMY	0.1096, 0.1135, 0.1096
CMYK	0.00, 0.00, 0.00, 0.11
HSL	300°, 2%, 89%
HSV	300°, 0%, 89%
XYZ	72.7721, 76.3034, 83.5976
YIQ	226.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

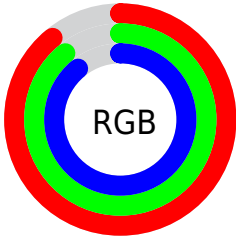
Format	Color
RYB	227, 226, 227
Decimal	14934755
CIELab	90.00, 0.52, -0.38
CIELCh	90, 0.643, 324.026
Yxy	76.3034, 0.3128, 0.3279
Android (android.graphics.Color)	4293124835 (0xFFE3E2E3)
YUV	226.4130, 0.2894, 0.5148
Hunter-Lab	87.3518, -4.1586, 4.4044

Details

The CIELCh color `90, 0.643, 324.026` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 0.622, 144.872`, 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, 0.675, 324.132` is the 20% darker color. If you saturate the color by 10%, you get `84, 15.141, 324.995`, and if you desaturate by 10%, it is `96, 13.597, 143.947`.

Distribution



Red (89%)

Green (89%)

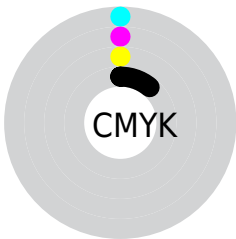
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 0.643, 324.026 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, 0.643, 324.026 by changing the saturation by 10% instead.

■ 90, 0.643, 324.026

■ 90, 0.643, 324.026

100, 0.643,
324.026

■ 80, 0.643, 324.026

■ 70, 0.643, 324.026

■ 60, 0.643, 324.026

■ 50, 0.643, 324.026

■ 40, 0.643, 324.026

■ 30, 0.643, 324.026

■ 20, 0.643, 324.026

■ 10, 0.643, 324.026

■ 0, 0.643, 324.026

90, 0.643, 324.026

90, 0.643, 324.026

84, 15.141,
324.995

96, 13.597,
143.947

79, 29.748,
325.553

97, 17.453,
143.796

74, 44.220,
326.092

97, 17.453,
143.795

69, 58.216,
326.601

97, 17.453,
143.793

65, 71.284,
327.065

97, 17.453,
143.792

61, 82.884,
327.467

97, 17.452,
143.791

58, 92.451,
327.790

97, 17.452,
143.790

56, 99.517,
328.024

97, 17.452,
143.788

■ 54, 103.862,
328.166

■ 97, 17.451,
143.787

Harmonies

Complementary

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



90, 0.643, 324.026



90, 0.622, 144.872

Rectangle

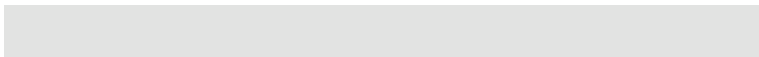
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 0.643, 324.026



90, 0.643, 14.026



90, 0.643, 144.026



90, 0.643, 194.026

Sweetspot

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



90, 0.641, 324.022

100, 0.012, 296.813



90, 0.519, 289.702



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



90, 0.641, 324.022



99, 1.592, 324.301



90, 0.455, 341.834



48, 0.830, 324.286



42, 88.428, 328.230



9, 37.108, 328.230

Inverse Universe

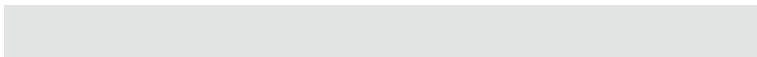
The Inverse Universe completely reimagines the original color for something new.



90, 0.357, 17.732



99, 0.895, 18.723



90, 0.440, 163.728



48, 0.466, 18.672



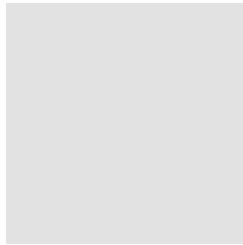
37, 79.981, 39.969



6, 27.105, 21.755

Previews

White Background



This preview shows how the CIELCh color 90, 0.643, 324.026 looks on a white background.

Color Contrast Check

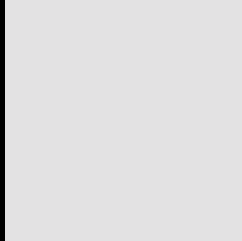
Large Text (above 18pt) WCAG AA × Fail

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 90, 0.643, 324.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

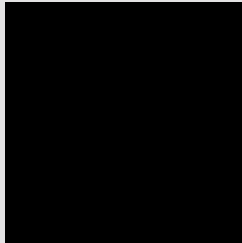
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

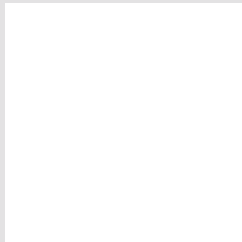
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 0.643, 324.026

Background



This preview shows how black text looks on a background with the CIELCh color 90, 0.643, 324.026.



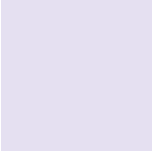
This preview shows how white text looks on a background with the CIELCh color 90, 0.643, 324.026.

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](#).

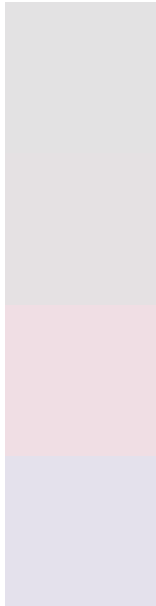
Dichromacy





Tritanopia
90, 9.043, 301.994

Trichromacy



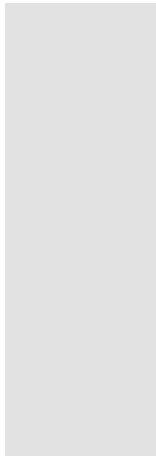
Original Color
90, 0.643, 324.026

Protanomaly
90, 1.784, 343.542

Deuteranomaly
90, 7.212, 354.321

Tritanomaly
90, 5.836, 301.048

Monochromacy



Original Color
90, 0.643, 324.026

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.011, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 0.643, 324.026 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(227, 226, 227)` looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 227)  
}
```

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(227, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 0.643, 324.026 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(227, 226, 227) }
```

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

```
.border{ border-color:rgb(227, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(227, 226,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 0.643, 324.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 227) }
```

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

```
.background{ background-color: rgb(227,  
226, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor