

Converting Colors

CIELCh(90, 5.209, 284.206)

Have a look what the booklet for
CIELCh(90, 5.209, 284.206) contains.

CIELCh(90, 5.238, 282.939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 5.238, 282.939)

Conversions

Conversions Part 1

Format	Color
Hex	E0E2EC
RGB	224, 226, 236
RGB Percent	88%, 89%, 93%
CMY	0.1215, 0.1137, 0.0745
CMYK	0.05, 0.04, 0.00, 0.07
HSL	230°, 24%, 90%
HSV	230°, 5%, 93%
XYZ	73.0840, 76.3034, 90.2398
YIQ	226.5420, -4.4020, 2.6860

Conversions

Conversions Part 2

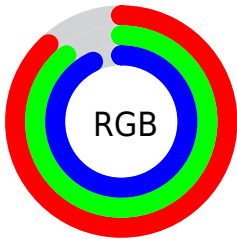
Format	Color
RYB	224, 226, 236
Decimal	14738156
CIELab	90.00, 1.17, -5.11
CIElCh	90, 5.238, 282.939
Yxy	76.3034, 0.3050, 0.3184
Android (android.graphics.Color)	4292928236 (0xFFE0E2EC)
YUV	226.5420, 4.6628, -2.2293
Hunter-Lab	87.3518, -3.5213, -0.1040

Details

The CIELCh color `90, 5.238, 282.939` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 5.183, 101.728`, 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, 4.974, 282.194` is the 20% darker color. If you saturate the color by 10%, you get `83, 15.761, 284.178`, and if you desaturate by 10%, it is `97, 4.965, 101.768`.

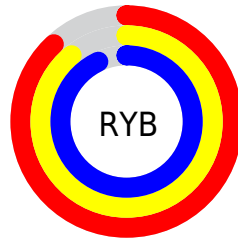
Distribution



Red (88%)

Green (89%)

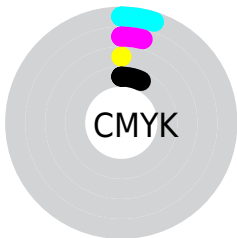
Blue (93%)



Red (88%)

Yellow (89%)

Blue (93%)

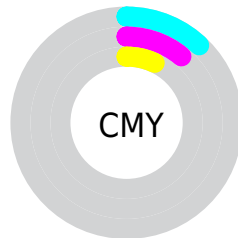


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 5.238, 282.939 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, 5.238, 282.939 by changing the saturation by 10% instead.

■ 90, 5.238, 282.939

■ 90, 5.238, 282.939

■ 100, 5.238,
282.939

■ 80, 5.238, 282.939

■ 70, 5.238, 282.939

■ 60, 5.238, 282.939

■ 50, 5.238, 282.939

■ 40, 5.238, 282.939

■ 30, 5.238, 282.939

■ 20, 5.238, 282.939

■ 10, 5.238, 282.939

■ 0, 5.238, 282.939

90, 5.238, 282.939

90, 5.238, 282.939

83, 15.761,
284.178

97, 4.965, 101.768

77, 26.636,
285.667

100, 9.612,
109.449

70, 37.892,
287.415

63, 49.564,
289.454

57, 61.677,
291.801

50, 74.205,
294.439

44, 86.976,
297.278

39, 99.497,
300.133

■ 35,110.777,
302.728

Harmonies

Complementary

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



90, 5.238, 282.939



93, 5.183, 101.728

Rectangle

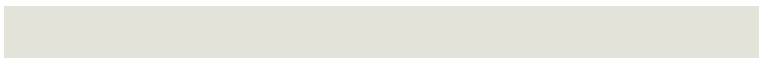
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 5.238, 282.939



90, 5.238, 332.939



90, 5.238, 102.939



90, 5.238, 152.939

Sweetspot

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



90, 5.236, 282.923



99, 2.190, 282.615



92, 4.381, 184.218



53, 1.245, 282.608



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, 5.236, 282.923



96, 6.587, 283.030



90, 6.408, 302.704



47, 4.083, 283.099



25, 93.467, 303.401



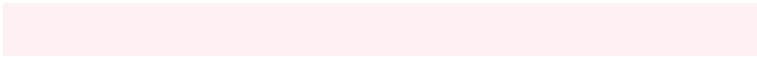
4, 31.620, 294.389

Inverse Universe

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



90, 4.455, 6.123



96, 5.612, 6.232



93, 6.331, 122.156



47, 3.482, 6.298



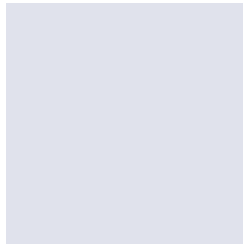
38, 73.391, 31.740



7, 27.973, 15.838

Previews

White Background



This preview shows how the CIELCh color 90, 5.238, 282.939 looks on a white background.

Color Contrast Check

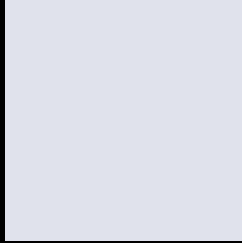
Large Text (above 18pt) WCAG AA × Fail

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, 5.238, 282.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

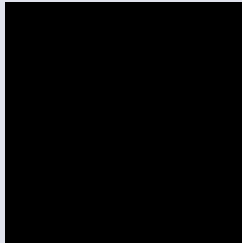
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

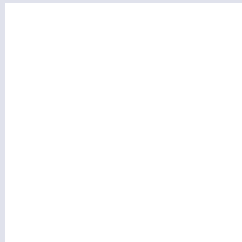
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 5.238, 282.939

Background



This preview shows how black text looks on a background with the CIELCh color 90, 5.238, 282.939.



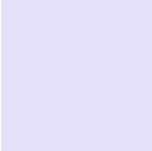
This preview shows how white text looks on a background with the CIELCh color 90, 5.238, 282.939.

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](#).

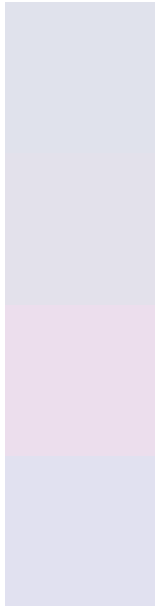
Dichromacy





Tritanopia
90, 9.364, 290.941

Trichromacy



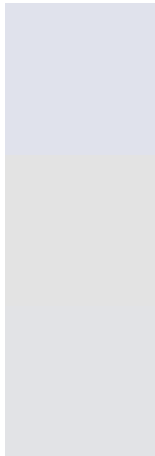
Original Color
90, 5.238, 282.939

Protanomaly
90, 5.263, 298.285

Deuteranomaly
90, 9.288, 322.933

Tritanomaly
90, 7.805, 290.818

Monochromacy



Original Color
90, 5.238, 282.939

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.601, 277.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 5.238, 282.939 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(224, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 236)  
}
```

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(224, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 5.238, 282.939 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(224, 226, 236) }
```

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

```
.border{ border-color:rgb(224, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 5.238, 282.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 236) }
```

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

```
.background{ background-color: rgb(224,  
226, 236) }
```

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