

Converting Colors

CIE LCh(90, 7.629, 272.305)

Have a look what the booklet for
CIELCh(90, 7.629, 272.305) contains.

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Color

CIELCh(90, 7.623, 272.300)

Conversions

Conversions Part 1

Format	Color
Hex	DCE3F1
RGB	220, 227, 241
RGB Percent	86%, 89%, 95%
CMY	0.1383, 0.1108, 0.0559
CMYK	0.09, 0.06, 0.00, 0.06
HSL	220°, 42%, 90%
HSV	220°, 9%, 94%
XYZ	72.6698, 76.3034, 93.9081
YIQ	226.5030, -8.6660, 2.8700

Conversions

Conversions Part 2

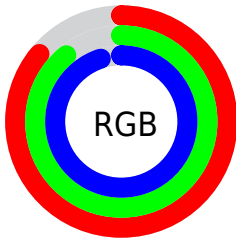
Format	Color
R _Y B	220, 225, 241
Decimal	14476273
CIE Lab	90.00, 0.31, -7.62
CIE LCh	90, 7.623, 272.300
Yxy	76.3034, 0.2992, 0.3142
Android (android.graphics.Color)	4292666353 (0xFFDCE3F1)
YUV	226.5030, 7.1470, -5.7031
Hunter-Lab	87.3518, -4.3677, -2.5938

Details

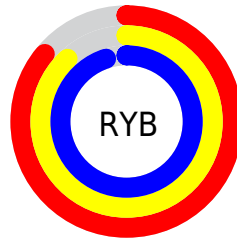
The CIELCh color `90, 7.623, 272.300` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 7.620, 89.988`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 7.501, 271.224` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.480, 273.780`, and if you desaturate by 10%, it is `96, 1.097, 90.701`.

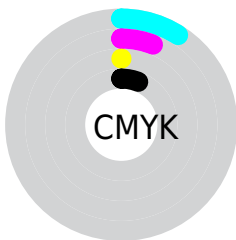
Distribution



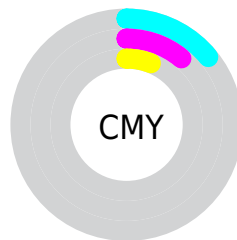
- Red (86%)
- Green (89%)
- Blue (95%)



- Red (86%)
- Yellow (88%)
- Blue (95%)



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



- Cyan (14%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.623, 272.300 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, 7.623, 272.300 by changing the saturation by 10% instead.

■ 90, 7.623, 272.300

■ 90, 7.623, 272.300

■ 100, 7.623,
272.300

■ 80, 7.623, 272.300

■ 70, 7.623, 272.300

■ 60, 7.623, 272.300

■ 50, 7.623, 272.300

■ 40, 7.623, 272.300

■ 30, 7.623, 272.300

■ 20, 7.623, 272.300

■ 10, 7.623, 272.300

■ 0, 7.623, 272.300

90, 7.623, 272.300

90, 7.623, 272.300

84, 16.480,
273.780

96, 1.097, 90.701

78, 25.483,
275.545

100, 7.221,
109.627

73, 34.639,
277.616

67, 43.972,
280.036

61, 53.515,
282.836

56, 63.311,
286.013

51, 73.385,
289.508

46, 83.679,
293.179

■ 42, 93.966,
296.777

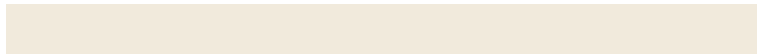
Harmonies

Complementary

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



90, 7.623, 272.300



93, 7.620, 89.988

Rectangle

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



90, 7.623, 272.300



90, 7.623, 322.300



90, 7.623, 92.300



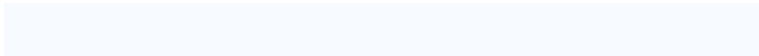
90, 7.623, 142.300

Sweetspot

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



90, 7.622, 272.287



98, 2.741, 271.592



93, 8.324, 171.853



52, 2.078, 271.673



0, 0.000, 0.000



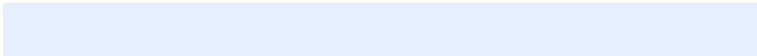
53, 0.007, 296.813

Same Dimension

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



90, 7.622, 272.287



94, 9.164, 272.468



88, 11.038, 296.743



47, 4.950, 272.390



31, 76.371, 296.574



7, 28.172, 289.949

Inverse Universe

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



90, 8.428, 354.441



93, 10.149, 354.581



94, 10.819, 115.410



47, 5.479, 354.521



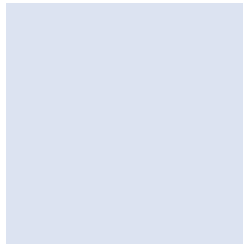
39, 67.517, 18.000



8, 28.756, 8.181

Previews

White Background



This preview shows how the CIELCh color 90, 7.623, 272.300 looks on a white background.

Color Contrast Check

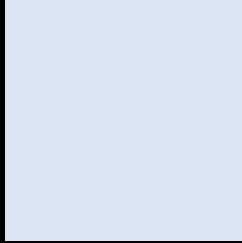
Large Text (above 18pt) WCAG AA × Fail

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, 7.623, 272.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

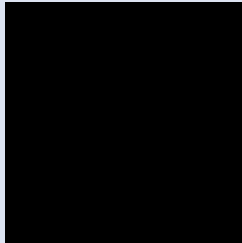
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

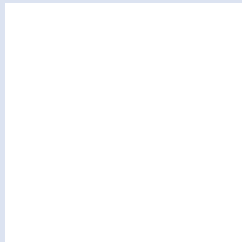
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.623, 272.300

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.623, 272.300.

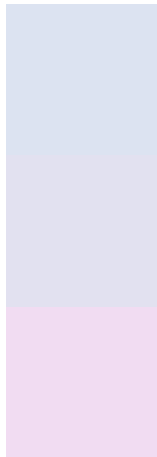


This preview shows how white text looks on a background with the CIELCh color 90, 7.623, 272.300.

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

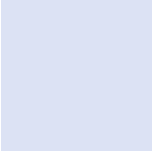
90, 7.623, 272.300

Protanopia

90, 7.818, 293.367

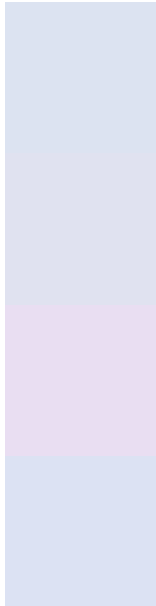
Deuteranopia

90, 13.683, 323.676



Tritanopia
90, 9.544, 278.487

Trichromacy



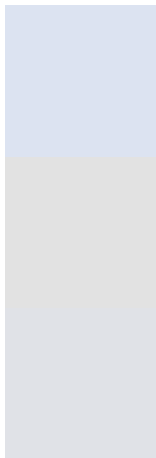
Original Color
90, 7.623, 272.300

Protanomaly
90, 7.301, 285.320

Deuteranomaly
90, 11.148, 311.138

Tritanomaly
90, 9.039, 277.712

Monochromacy



Original Color
90, 7.623, 272.300

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.690, 275.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.623, 272.300 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(220, 227, 241)` looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 241)  
}
```

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(220, 227, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.623, 272.300 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(220, 227, 241) }
```

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

```
.border{ border-color:rgb(220, 227, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 227, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 241);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.623, 272.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 241) }
```

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

```
.background{ background-color: rgb(220,  
227, 241) }
```

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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