

Converting Colors

CIELCh(90, 12.397, 290.586)

Have a look what the booklet for
CIELCh(90, 12.397, 290.586)
contains.

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Color

CIELCh(90, 11.961, 289.510)

Conversions

Conversions Part 1

Format	Color
Hex	E0E1F8
RGB	224, 225, 248
RGB Percent	88%, 88%, 97%
CMY	0.1224, 0.1185, 0.0283
CMYK	0.10, 0.09, 0.00, 0.03
HSL	237°, 62%, 92%
HSV	237°, 10%, 97%
XYZ	74.4430, 76.3034, 99.4251
YIQ	227.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

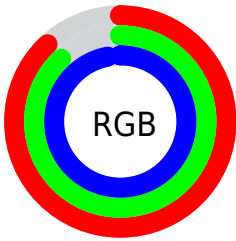
Format	Color
R_{YB}	224, 225, 248
Decimal	14737912
CIE Lab	90.00, 3.99, -11.27
CIE LCh	90, 11.961, 289.510
Yxy	76.3034, 0.2976, 0.3050
Android (android.graphics.Color)	4292927992 (0xFFE0E1F8)
YUV	227.3230, 10.1938, -2.9143
Hunter-Lab	87.3518, -0.7443, -6.3385

Details

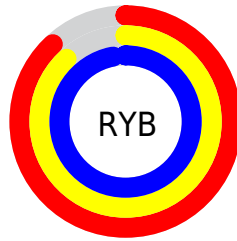
The CIELCh color **90, 11.961, 289.510** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **97, 11.711, 107.482**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 12.052, 289.682** is the 20% darker color. If you saturate the color by 10%, you get **82, 24.783, 290.761**, and if you desaturate by 10%, it is **98, 0.371, 108.171**.

Distribution



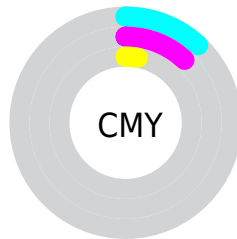
- Red (88%)
- Green (88%)
- Blue (97%)



- Red (88%)
- Yellow (88%)
- Blue (97%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (12%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 11.961, 289.510 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, 11.961, 289.510 by changing the saturation by 10% instead.

■ 90, 11.961,
289.510

■ 90, 11.961,
289.510

■ 100, 11.961,
289.510

■ 80, 11.961,
289.510

■ 70, 11.961,
289.510

■ 60, 11.961,
289.510

■ 50, 11.961,
289.510

■ 40, 11.961,
289.510

■ 30, 11.961,
289.510

■ 20, 11.961,

289.510

■ 10, 11.961,
289.510

■ 0, 11.961, 289.510

■ 90, 11.961,
289.510

■ 90, 11.961,
289.510

■ 82, 24.783,
290.761

■ 98, 0.371, 108.171

■ 74, 38.143,
292.244

■ 100, 3.654,
109.884

■ 67, 52.073,
293.982

■ 59, 66.577,
295.988

■ 52, 81.544,
298.234

■ 45, 96.585,
300.615

■ 39, 110.735,
302.909

■ 34, 122.240,
304.787

■ 32, 129.146,
305.920

Harmonies

Complementary

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



90, 11.961, 289.510



97, 11.711, 107.482

Rectangle

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



90, 11.961, 289.510



90, 11.961, 339.510



90, 11.961, 109.510



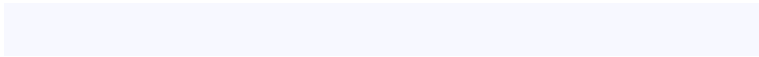
90, 11.961, 159.510

Sweetspot

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



90, 11.959, 289.504



98, 3.751, 288.789



96, 8.279, 194.674



52, 2.846, 288.868



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, 11.959, 289.504



90, 15.235, 289.779



91, 13.073, 307.756



48, 7.066, 289.483



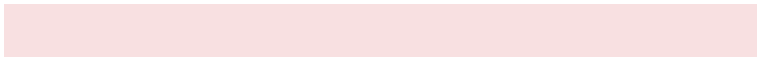
23, 104.828, 305.798



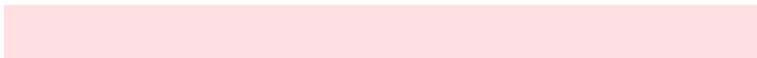
4, 40.792, 300.137

Inverse Universe

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



91, 8.751, 16.576



92, 11.196, 16.786



96, 12.873, 126.860



49, 5.169, 16.559



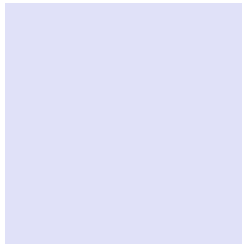
39, 81.589, 38.376



9, 31.894, 24.465

Previews

White Background



This preview shows how the CIELCh color 90, 11.961, 289.510 looks on a white background.

Color Contrast Check

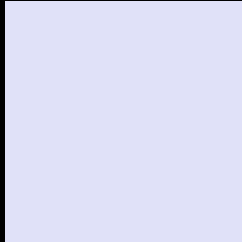
Large Text (above 18pt) WCAG AA × Fail

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, 11.961, 289.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

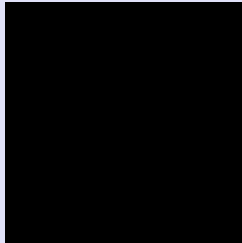
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 11.961, 289.510

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.961, 289.510.

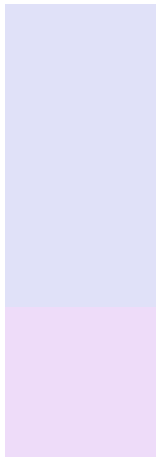


This preview shows how white text looks on a background with the CIELCh color 90, 11.961, 289.510.

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

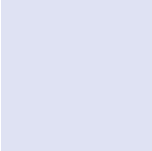
90, 11.961, 289.510

Protanopia

90, 11.961, 289.510

Deuteranopia

90, 16.408, 313.651



Tritanopia
90, 8.880, 284.210

Trichromacy



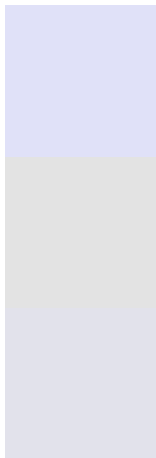
Original Color
90, 11.961, 289.510

Protanomaly
90, 11.961, 289.510

Deuteranomaly
90, 14.612, 306.316

Tritanomaly
90, 9.912, 285.014

Monochromacy



Original Color
90, 11.961, 289.510

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.683, 290.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.961, 289.510 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, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 248)  
}
```

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, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.961, 289.510 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, 225, 248) }
```

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

```
.border{ border-color:rgb(224, 225, 248) }
```

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

Here you see how a box with a 4 pixel rgb(224, 225, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.961, 289.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 248) }
```

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

```
.background{ background-color: rgb(224,  
225, 248) }
```

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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