

Converting Colors

CIE LCh(91, 4.940, 280.040)

Have a look what the booklet for
CIELCh(91, 4.940, 280.040) contains.

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Color

CIELCh(91, 4.771, 277.884)

Conversions

Conversions Part 1

Format	Color
Hex	E2E5EE
RGB	226, 229, 238
RGB Percent	89%, 90%, 93%
CMY	0.1132, 0.1014, 0.0661
CMYK	0.05, 0.04, 0.00, 0.07
HSL	225°, 26%, 91%
HSV	225°, 5%, 93%
XYZ	74.9140, 78.4833, 92.1920
YIQ	229.1290, -4.6770, 2.1630

Conversions

Conversions Part 2

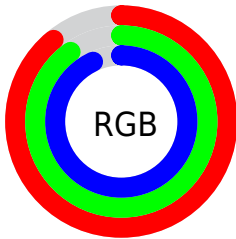
Format	Color
R _Y B	226, 228, 238
Decimal	14869998
CIE Lab	91.00, 0.65, -4.73
CIE LCh	91, 4.771, 277.884
Yxy	78.4833, 0.3050, 0.3196
Android (android.graphics.Color)	4293060078 (0xFFE2E5EE)
YUV	229.1290, 4.3734, -2.7441
Hunter-Lab	88.5908, -4.0910, 0.3135

Details

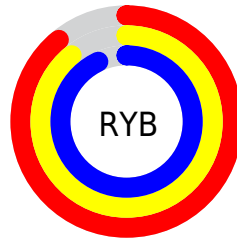
The CIELCh color $91, 4.771, 277.884$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $93, 4.736, 96.576$, and the grayscale version is $91, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $71, 4.489, 276.447$ is the 20% darker color. If you saturate the color by 10%, you get $85, 14.391, 279.190$, and if you desaturate by 10%, it is $97, 4.618, 96.608$.

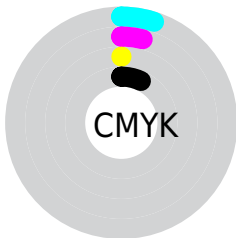
Distribution



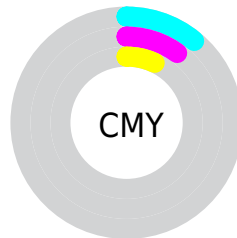
- Red (89%)
- Green (90%)
- Blue (93%)



- Red (89%)
- Yellow (89%)
- Blue (93%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.771, 277.884 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 91, 4.771, 277.884 by changing the saturation by 10% instead.

■ 91, 4.771, 277.884

■ 91, 4.771, 277.884

■ 100, 4.771,
277.884

■ 81, 4.771, 277.884

■ 71, 4.771, 277.884

■ 61, 4.771, 277.884

■ 51, 4.771, 277.884

■ 41, 4.771, 277.884

■ 31, 4.771, 277.884

■ 21, 4.771, 277.884

■ 11, 4.771, 277.884

■ 1, 4.771, 277.884

91, 4.771, 277.884

91, 4.771, 277.884

85, 14.391,
279.190

97, 4.618, 96.608

78, 24.261,
280.768

100, 8.537,
109.529

72, 34.401,
282.619

66, 44.840,
284.780

60, 55.613,
287.279

54, 66.745,
290.117

48, 78.204,
293.234

43, 89.804,
296.493

■ 39,101.065,
299.662

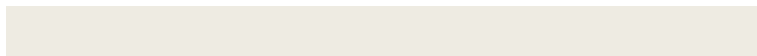
Harmonies

Complementary

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



91, 4.771, 277.884



93, 4.736, 96.576

Rectangle

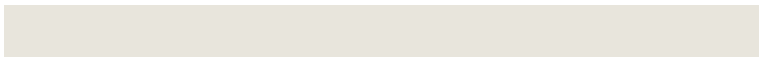
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.771, 277.884



91, 4.771, 327.884



91, 4.771, 97.884



91, 4.771, 147.884

Sweetspot

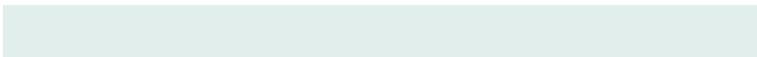
The Sweet Spot groups the original color and five complimentary colors.



91, 4.769, 277.864



99, 2.000, 277.560



93, 4.549, 177.973



53, 1.137, 277.554



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 4.769, 277.864



96, 6.008, 277.981



90, 6.330, 299.598



48, 3.790, 278.056



28, 86.113, 300.581



5, 31.100, 293.405

Inverse Universe

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



91, 4.594, 359.844



96, 5.796, 359.959



94, 6.248, 118.957



48, 3.659, 0.029



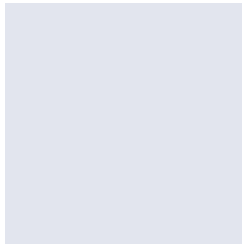
38, 70.351, 25.420



8, 28.870, 13.108

Previews

White Background



This preview shows how the CIELCh color 91, 4.771, 277.884 looks on a white background.

Color Contrast Check

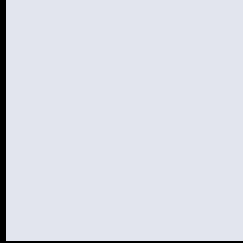
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.771, 277.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

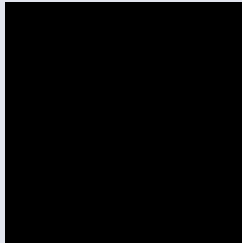
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

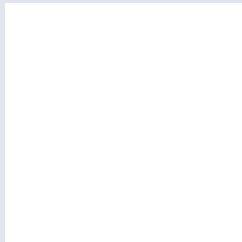
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.771, 277.884

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.771, 277.884.

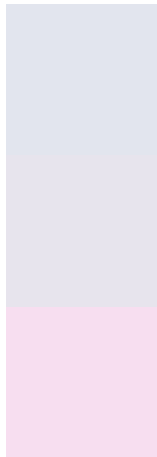


This preview shows how white text looks on a background with the CIELCh color 91, 4.771, 277.884.

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


91, 4.771, 277.884

Protanopia

91, 4.806, 303.241

Deuteranopia

91, 12.923, 334.145



Tritanopia
91, 9.342, 288.820

Trichromacy



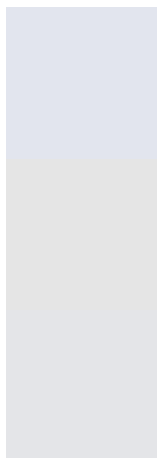
Original Color
91, 4.771, 277.884

Protanomaly
91, 4.693, 294.855

Deuteranomaly
91, 8.835, 324.731

Tritanomaly
91, 7.788, 288.262

Monochromacy



Original Color
91, 4.771, 277.884

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.598, 277.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.771, 277.884 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(226, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(226, 229, 238)  
}
```

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(226, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 229, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.771, 277.884 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(226, 229, 238) }
```

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

```
.border{ border-color:rgb(226, 229, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(226, 229,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.771, 277.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 229, 238) }
```

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

```
.background{ background-color: rgb(226,  
229, 238) }
```

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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