

Converting Colors

CIELCh(91, 0.669, 180.269)

Have a look what the booklet for
CIELCh(91, 0.669, 180.269) contains.

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Color

CIELCh(91, 0.878, 164.093)

Conversions

Conversions Part 1

Format	Color
Hex	E4E6E5
RGB	228, 230, 229
RGB Percent	89%, 90%, 90%
CMY	0.1072, 0.0993, 0.1033
CMYK	0.01, 0.00, 0.00, 0.10
HSL	150°, 4%, 90%
HSV	150°, 1%, 90%
XYZ	74.1871, 78.4833, 85.1210
YIQ	229.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

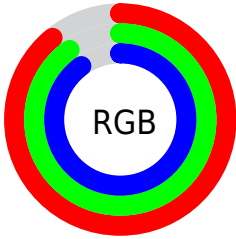
Format	Color
R_{YB}	228, 229, 230
Decimal	15001317
CIE Lab	91.00, -0.84, 0.24
CIE LCh	91, 0.878, 164.093
Yxy	78.4833, 0.3120, 0.3301
Android (android.graphics.Color)	4293191397 (0xFFE4E6E5)
YUV	229.2880, -0.1420, -1.1296
Hunter-Lab	88.5908, -5.5557, 5.0457

Details

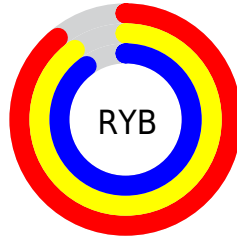
The CIELCh color $91, 0.878, 164.093$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91, 0.896, 343.171$, and the grayscale version is $91, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $71, 0.926, 163.956$ is the 20% darker color. If you saturate the color by 10%, you get $89, 11.078, 162.723$, and if you desaturate by 10%, it is $93, 9.252, 344.251$.

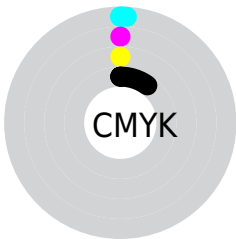
Distribution



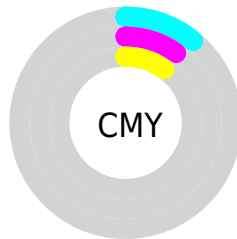
- Red (89%)
- Green (90%)
- Blue (90%)



- Red (89%)
- Yellow (90%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 0.878, 164.093 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, 0.878, 164.093 by changing the saturation by 10% instead.

91, 0.878, 164.093

91, 0.878, 164.093

100, 0.878,
164.093

81, 0.878, 164.093

71, 0.878, 164.093

61, 0.878, 164.093

51, 0.878, 164.093

41, 0.878, 164.093

31, 0.878, 164.093

21, 0.878, 164.093

11, 0.878, 164.093

1, 0.878, 164.093

91, 0.878, 164.093

91, 0.878, 164.093

89, 11.078,
162.723

93, 9.252, 344.251

87, 21.232,
161.763

94, 14.461,
328.809

86, 31.207,
160.705

94, 15.829,
324.972

84, 40.844,
159.516

83, 49.969,
158.171

82, 58.408,
156.645

82, 66.014,
154.915

81, 72.690,
152.970

■ 81, 78.415,
150.817

Harmonies

Complementary

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



91, 0.878, 164.093



91, 0.896, 343.171

Rectangle

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



91, 0.878, 164.093



91, 0.878, 214.093



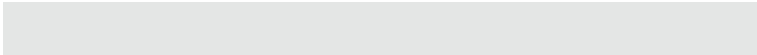
91, 0.878, 344.093



91, 0.878, 34.093

Sweetspot

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



91, 0.880, 164.041

100, 0.012, 296.813



91, 1.086, 128.561



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

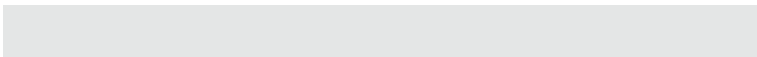
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 0.880, 164.041



100, 1.100, 163.962



91, 0.710, 198.824



48, 0.573, 163.995



64, 68.115, 149.160



18, 26.292, 153.384

Inverse Universe

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



91, 0.896, 343.171



99, 1.117, 343.248



91, 0.717, 17.226



48, 0.583, 343.216



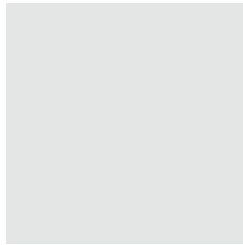
38, 64.869, 1.795



7, 27.621, 354.862

Previews

White Background



This preview shows how the CIE LCh color 91, 0.878, 164.093 looks on a white background.

Color Contrast Check

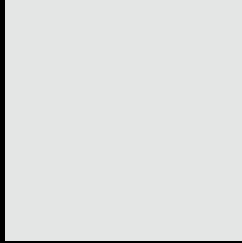
Large Text (above 18pt) WCAG AA × Fail

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 91, 0.878, 164.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

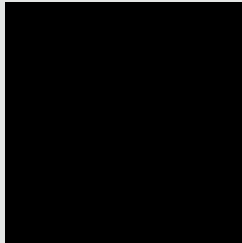
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

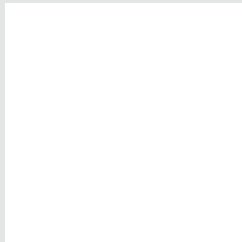
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 0.878, 164.093

Background



This preview shows how black text looks on a background with the CIELCh color 91, 0.878, 164.093.

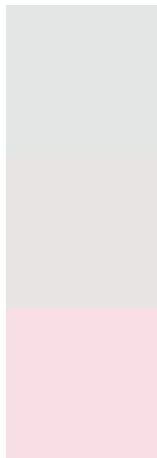


This preview shows how white text looks on a background with the CIELCh color 91, 0.878, 164.093.

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, 0.878, 164.093

Protanopia

91, 1.791, 19.190

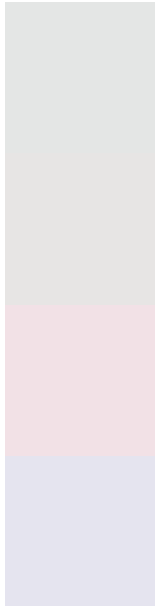
Deuteranopia

91, 10.947, 357.998



Tritanopia
91, 9.420, 297.259

Trichromacy



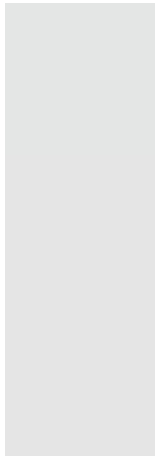
Original Color
91, 0.878, 164.093

Protanomaly
91, 0.872, 54.973

Deuteranomaly
91, 6.656, 356.950

Tritanomaly
91, 5.728, 294.147

Monochromacy



Original Color
91, 0.878, 164.093

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 0.011, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 0.878, 164.093 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(228, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 229)  
}
```

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(228, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 0.878, 164.093 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(228, 230, 229) }
```

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

```
.border{ border-color:rgb(228, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 0.878, 164.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 229) }
```

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

```
.background{ background-color: rgb(228,  
230, 229) }
```

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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