

Converting Colors

CIE LCh(91, 2.129, 183.882)

Have a look what the booklet for
CIELCh(91, 2.129, 183.882) contains.

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Color

CIELCh(91, 1.851, 183.364)

Conversions

Conversions Part 1

Format	Color
Hex	E1E6E5
RGB	225, 230, 229
RGB Percent	88%, 90%, 90%
CMY	0.1165, 0.0969, 0.1008
CMYK	0.02, 0.00, 0.00, 0.10
HSL	168°, 9%, 89%
HSV	168°, 2%, 90%
XYZ	73.7030, 78.4833, 85.6060
YIQ	228.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

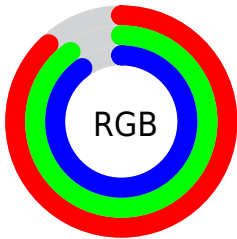
Format	Color
R_{YB}	225, 228, 230
Decimal	14804709
CIE _{Lab}	91.00, -1.85, -0.11
CIE _{LCh}	91, 1.851, 183.364
Yxy	78.4833, 0.3099, 0.3300
Android (android.graphics.Color)	4292994789 (0xFFE1E6E5)
YUV	228.3910, 0.3002, -2.9739
Hunter-Lab	88.5908, -6.5310, 4.7212

Details

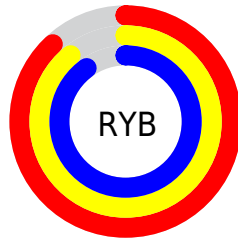
The CIELCh color `91, 1.851, 183.364` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 1.877, 3.098`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 1.947, 183.239` is the 20% darker color. If you saturate the color by 10%, you get `89, 10.271, 182.164`, and if you desaturate by 10%, it is `93, 6.745, 3.791`.

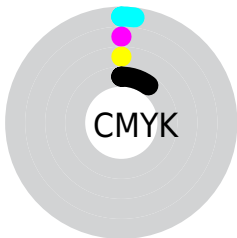
Distribution



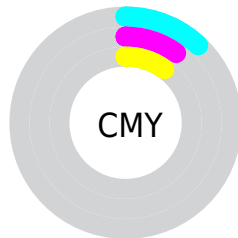
- Red (88%)
- Green (90%)
- Blue (90%)



- Red (88%)
- Yellow (89%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 1.851, 183.364 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, 1.851, 183.364 by changing the saturation by 10% instead.

91, 1.851, 183.364

91, 1.851, 183.364

100, 1.851,
183.364

81, 1.851, 183.364

71, 1.851, 183.364

61, 1.851, 183.364

51, 1.851, 183.364

41, 1.851, 183.364

31, 1.851, 183.364

21, 1.851, 183.364

11, 1.851, 183.364

1, 1.851, 183.364

91, 1.851, 183.364

91, 1.851, 183.364

89, 10.271,
182.164

93, 6.745, 3.791

88, 18.393,
181.191

94, 9.826, 354.556

86, 26.085,
180.176

94, 11.028,
343.329

85, 33.202,
179.096

94, 12.575,
334.620

84, 39.601,
177.928

94, 14.356,
327.985

83, 45.156,
176.653

94, 15.434,
324.957

83, 49.777,
175.245

82, 53.431,
173.681

■ 82, 56.162,
171.946

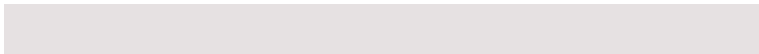
Harmonies

Complementary

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



91, 1.851, 183.364



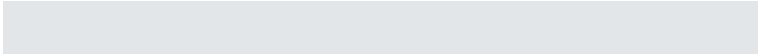
90, 1.877, 3.098

Rectangle

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



91, 1.851, 183.364



91, 1.851, 233.364



91, 1.851, 3.364



91, 1.851, 53.364

Sweetspot

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



91, 1.853, 183.317



100, 0.924, 183.776



91, 2.951, 138.293



53, 0.525, 183.816



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

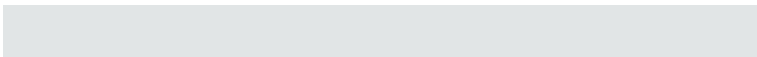
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 1.853, 183.317



99, 2.777, 183.157



91, 1.461, 230.018



48, 1.930, 183.045



65, 47.578, 170.834



18, 19.203, 174.074

Inverse Universe

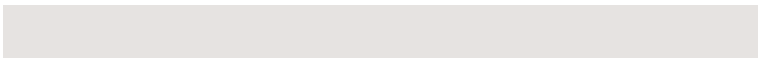
The Inverse Universe completely reimagines the original color for something new.



90, 1.877, 3.098



98, 2.818, 3.260



90, 1.471, 48.981



47, 1.963, 3.374



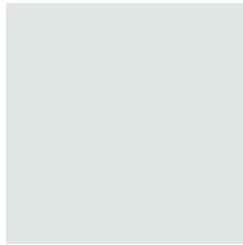
37, 70.989, 29.258



7, 26.667, 13.388

Previews

White Background



This preview shows how the CIELCh color 91, 1.851, 183.364 looks on a white background.

Color Contrast Check

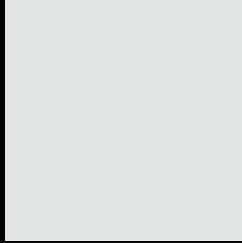
Large Text (above 18pt) WCAG AA × Fail

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, 1.851, 183.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

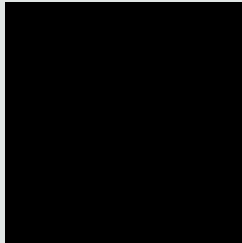
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

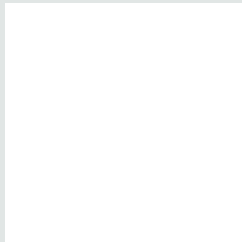
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 1.851, 183.364

Background



This preview shows how black text looks on a background with the CIELCh color 91, 1.851, 183.364.

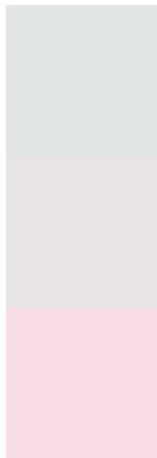


This preview shows how white text looks on a background with the CIELCh color 91, 1.851, 183.364.

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, 1.851, 183.364

Protanopia

91, 1.791, 19.190

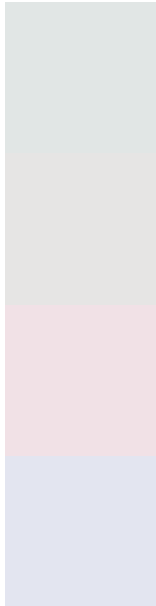
Deuteranopia

91, 11.141, 355.525



Tritanopia
91, 9.341, 290.932

Trichromacy



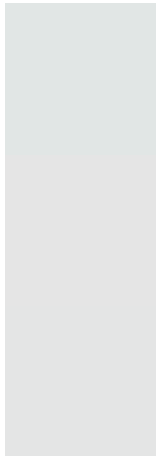
Original Color
91, 1.851, 183.364

Protanomaly
91, 0.617, 74.653

Deuteranomaly
91, 6.324, 355.637

Tritanomaly
91, 5.739, 283.676

Monochromacy



Original Color
91, 1.851, 183.364

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 0.354, 201.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 1.851, 183.364 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(225, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 1.851, 183.364 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(225, 230, 229) }
```

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

```
.border{ border-color:rgb(225, 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(225, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 230, 229); box-shadow:4px 4px 4px 4px rgb(225, 230, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 1.851, 183.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 229) }
```

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

```
.background{ background-color: rgb(225,  
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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