

Converting Colors

CIE LCh(93, 2.050, 180.189)

Have a look what the booklet for
CIELCh(93, 2.050, 180.189) contains.

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Color

CIELCh(93, 1.842, 183.376)

Conversions

Conversions Part 1

Format	Color
Hex	E7ECEB
RGB	231, 236, 235
RGB Percent	91%, 93%, 92%
CMY	0.0942, 0.0745, 0.0785
CMYK	0.02, 0.00, 0.00, 0.07
HSL	168°, 12%, 92%
HSV	168°, 2%, 93%
XYZ	77.9354, 82.9670, 90.4935
YIQ	234.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

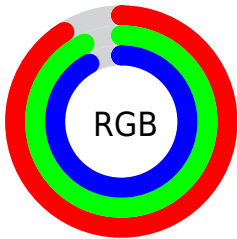
Format	Color
R_{YB}	231, 234, 236
Decimal	15199467
CIE _{Lab}	93.00, -1.84, -0.11
CIE _{LCh}	93, 1.842, 183.376
Yxy	82.9670, 0.3100, 0.3300
Android (android.graphics.Color)	4293389547 (0xFFE7ECEB)
YUV	234.3910, 0.3002, -2.9739
Hunter-Lab	91.0862, -6.6724, 4.8562

Details

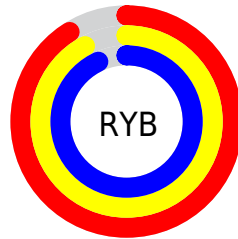
The CIELCh color **93, 1.842, 183.376** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 1.867, 3.086**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 1.937, 183.252** is the 20% darker color. If you saturate the color by 10%, you get **91, 10.432, 182.167**, and if you desaturate by 10%, it is **95, 6.927, 3.797**.

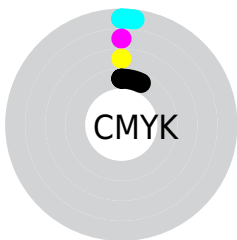
Distribution



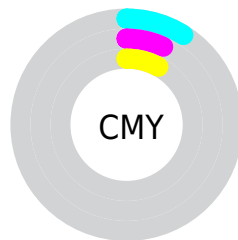
- Red (91%)
- Green (93%)
- Blue (92%)



- Red (91%)
- Yellow (92%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 1.842, 183.376 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 93, 1.842, 183.376 by changing the saturation by 10% instead.

■ 93, 1.842, 183.376

■ 93, 1.842, 183.376

■ 100, 1.842,
183.376

■ 83, 1.842, 183.376

■ 73, 1.842, 183.376

■ 63, 1.842, 183.376

■ 53, 1.842, 183.376

■ 43, 1.842, 183.376

■ 33, 1.842, 183.376

■ 23, 1.842, 183.376

■ 13, 1.842, 183.376

■ 3, 1.842, 183.376

93, 1.842, 183.376

93, 1.842, 183.376

91, 10.432,
182.167

95, 6.927, 3.797

90, 18.717,
181.192

95, 8.052, 347.298

88, 26.564,
180.176

95, 9.570, 334.985

87, 33.823,
179.094

95, 11.412,
326.388

86, 40.350,
177.925

95, 11.860,
324.828

85, 46.014,
176.647

85, 50.724,
175.237

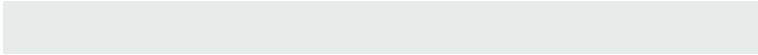
84, 54.445,
173.670

■ 84, 57.225,
171.931

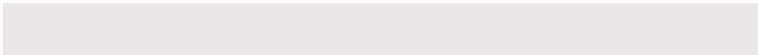
Harmonies

Complementary

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



93, 1.842, 183.376



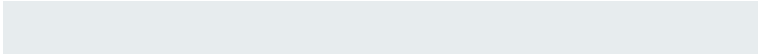
92, 1.867, 3.086

Rectangle

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



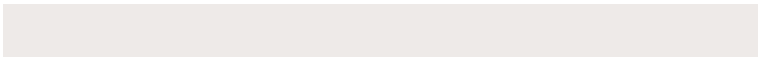
93, 1.842, 183.376



93, 1.842, 233.376



93, 1.842, 3.376



93, 1.842, 53.376

Sweetspot

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



93, 1.844, 183.328



100, 0.924, 183.776



93, 2.937, 138.297



53, 0.525, 183.815



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

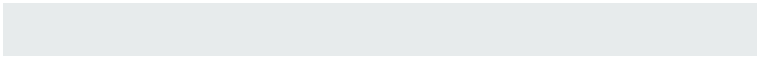
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 1.844, 183.328



99, 2.777, 183.157



93, 1.455, 230.024



49, 1.965, 183.043



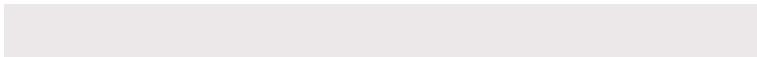
66, 48.095, 170.812



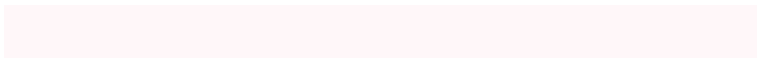
19, 19.846, 173.882

Inverse Universe

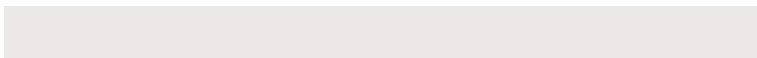
The Inverse Universe completely reimagines the original color for something new.



92, 1.867, 3.086



98, 2.818, 3.259



92, 1.463, 48.975



48, 1.998, 3.375



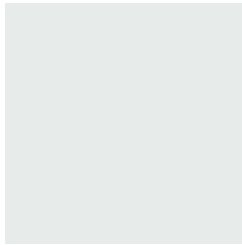
38, 71.778, 29.319



7, 27.906, 14.416

Previews

White Background



This preview shows how the CIE LCh color 93, 1.842, 183.376 looks on a white background.

Color Contrast Check

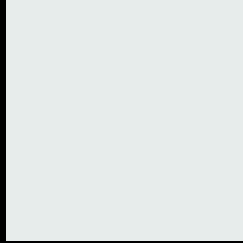
Large Text (above 18pt) WCAG AA × Fail

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 93, 1.842, 183.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

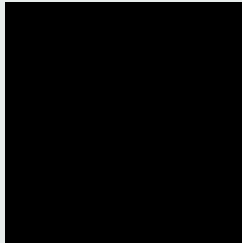
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

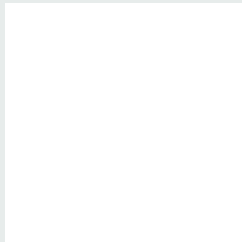
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 1.842, 183.376

Background



This preview shows how black text looks on a background with the CIELCh color 93, 1.842, 183.376.

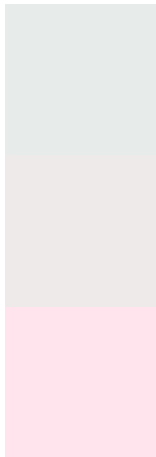


This preview shows how white text looks on a background with the CIELCh color 93, 1.842, 183.376.

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


93, 1.842, 183.376

Protanopia

93, 1.782, 19.178

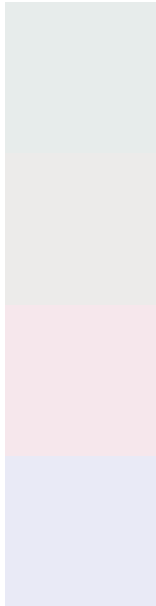
Deuteranopia

93, 10.757, 354.656



Tritanopia
93, 9.830, 292.957

Trichromacy



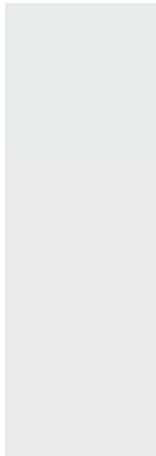
Original Color
93, 1.842, 183.376

Protanomaly
93, 0.614, 74.639

Deuteranomaly
93, 5.966, 354.169

Tritanomaly
93, 6.205, 287.474

Monochromacy



Original Color
93, 1.842, 183.376

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 0.874, 164.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 1.842, 183.376 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(231, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(231, 236, 235)  
}
```

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(231, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 1.842, 183.376 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(231, 236, 235) }
```

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

```
.border{ border-color:rgb(231, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 1.842, 183.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 235) }
```

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

```
.background{ background-color: rgb(231,  
236, 235) }
```

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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