

# Converting Colors

CIELCh(92, 4.709, 182.089)

Have a look what the booklet for  
CIELCh(92, 4.709, 182.089) contains.

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# Color

**CIELCh(92, 4.850, 180.550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEBE8
RGB	222, 235, 232
RGB Percent	87%, 92%, 91%
CMY	0.1297, 0.0787, 0.0905
CMYK	0.06, 0.00, 0.01, 0.08
HSL	166°, 24%, 90%
HSV	166°, 6%, 92%
XYZ	74.3346, 80.7044, 87.9393
YIQ	230.7710, -6.7850, -3.6890

# Conversions

## Conversions Part 2

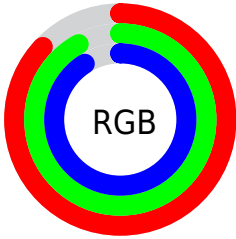
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 229, 235
Decimal	14609384
CIE Lab	92.00, -4.85, -0.05
CIE LCh	92, 4.850, 180.550
Yxy	80.7044, 0.3059, 0.3321
Android (android.graphics.Color)	4292799464 (0xFFDEEBE8)
YUV	230.7710, 0.6059, -7.6922
Hunter-Lab	89.8356, -9.5123, 4.8465

# Details

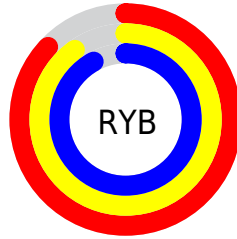
The CIELCh color **92, 4.850, 180.550** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90, 4.955, 1.319**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **72, 4.752, 179.012** is the 20% darker color. If you saturate the color by 10%, you get **90, 13.464, 179.519**, and if you desaturate by 10%, it is **94, 3.952, 1.166**.

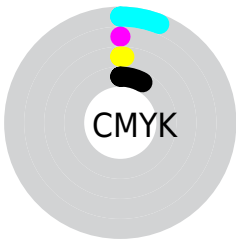
# Distribution



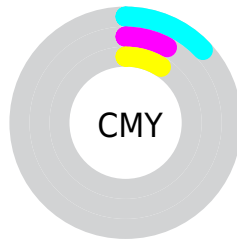
- Red (87%)
- Green (92%)
- Blue (91%)



- Red (87%)
- Yellow (90%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 4.850, 180.550 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 92, 4.850, 180.550 by changing the saturation by 10% instead.



 92, 4.850, 180.550

 92, 4.850, 180.550

 100, 4.850,  
180.550

 82, 4.850, 180.550

 72, 4.850, 180.550

 62, 4.850, 180.550

 52, 4.850, 180.550

 42, 4.850, 180.550

 32, 4.850, 180.550

 22, 4.850, 180.550

 12, 4.850, 180.550

 2, 4.850, 180.550

92, 4.850, 180.550

92, 4.850, 180.550

90, 13.464,  
179.519

94, 3.952, 1.166

89, 21.758,  
178.504

95, 8.227, 350.637

87, 29.595,  
177.427

95, 9.875, 336.423

86, 36.823,  
176.264

95, 11.959,  
326.767

85, 43.298,  
174.994

95, 12.533,  
324.852

85, 48.898,  
173.593

84, 53.542,  
172.034

84, 57.219,  
170.298

■ 83, 60.003,  
168.377

# Harmonies

# Complementary

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



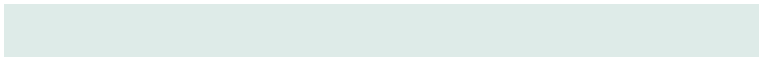
92, 4.850, 180.550



90, 4.955, 1.319

# Rectangle

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



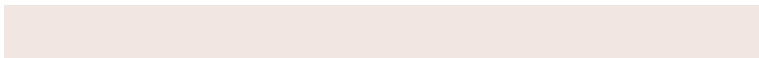
92, 4.850, 180.550



92, 4.850, 230.550



92, 4.850, 0.550



92, 4.850, 50.550

# Sweetspot

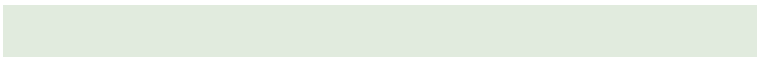
The Sweet Spot groups the original color and five complimentary colors.



92, 4.852, 180.533



100, 1.876, 181.057



92, 7.633, 137.591



53, 1.067, 181.083



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

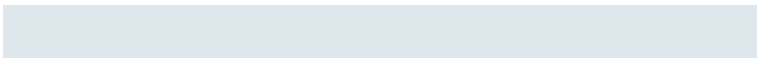
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 4.852, 180.533



99, 6.549, 180.371



91, 3.763, 227.919



49, 3.972, 180.315



66, 49.998, 167.855



19, 20.506, 171.157



# Inverse Universe

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



90, 4.955, 1.319



95, 6.721, 1.489



90, 3.877, 47.013



46, 4.084, 1.549



38, 70.406, 26.947

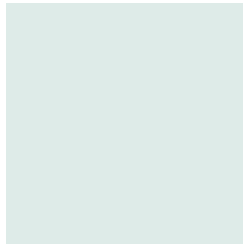


7, 27.856, 13.021



# Previews

## White Background



This preview shows how the CIELCh color 92, 4.850, 180.550 looks on a white background.

## Color Contrast Check

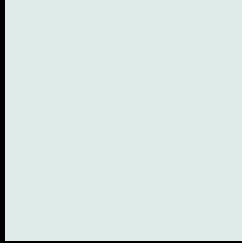
Large Text (above 18pt) WCAG AA × Fail

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 92, 4.850, 180.550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

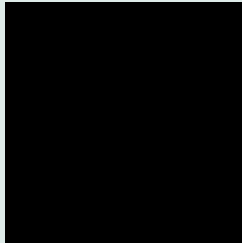
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

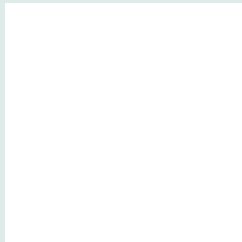
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 4.850, 180.550

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 4.850, 180.550.

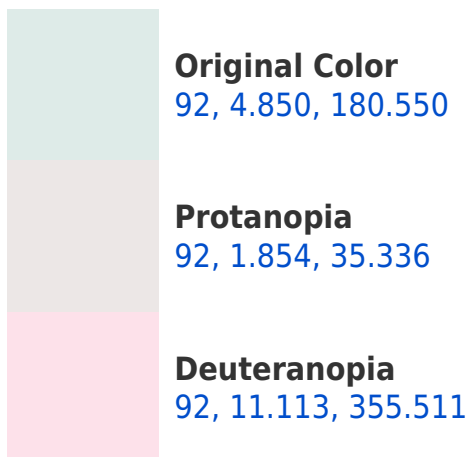


This preview shows how white text looks on a background with the CIELCh color 92, 4.850, 180.550.

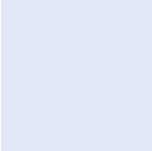
# Color Blindness Simulation

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

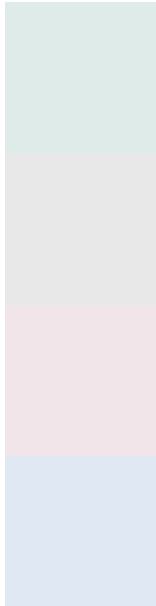






**Tritanopia**  
92, 9.570, 276.466

# Trichromacy



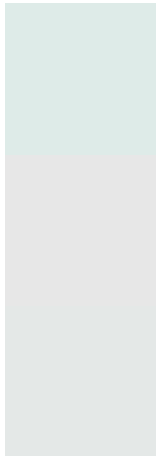
**Original Color**  
92, 4.850, 180.550

**Protanomaly**  
92, 0.621, 144.882

**Deuteranomaly**  
92, 5.108, 355.823

**Tritanomaly**  
92, 5.986, 259.309

# Monochromacy



**Original Color**  
92, 4.850, 180.550

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 1.511, 179.727

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 4.850, 180.550 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(222, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(222, 235, 232)  
}
```

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(222, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 232) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 4.850, 180.550 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(222, 235, 232) }
```

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

```
.border{ border-color:rgb(222, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(222, 235,  
232) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 4.850, 180.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 232) }
```

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

```
.background{ background-color: rgb(222,  
235, 232) }
```

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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