

Converting Colors

CIELCh(90, 9.446, 192.484)

Have a look what the booklet for
CIELCh(90, 9.446, 192.484) contains.

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Color

CIELCh(90, 9.440, 192.487)

Conversions

Conversions Part 1

Format	Color
Hex	CDE8E6
RGB	205, 232, 230
RGB Percent	80%, 91%, 90%
CMY	0.1966, 0.0907, 0.0986
CMYK	0.12, 0.00, 0.01, 0.09
HSL	176°, 37%, 86%
HSV	176°, 12%, 91%
XYZ	68.2230, 76.3034, 85.8962
YIQ	223.6990, -15.4500, -6.3460

Conversions

Conversions Part 2

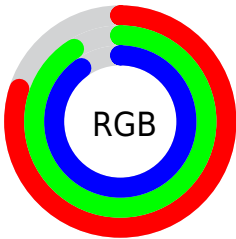
Format	Color
R_{YB}	205, 219, 232
Decimal	13494502
CIE _{Lab}	90.00, -9.22, -2.04
CIE _{LCh}	90, 9.440, 192.487
Yxy	76.3034, 0.2961, 0.3311
Android (android.graphics.Color)	4291684582 (0xFFCDE8E6)
YUV	223.6990, 3.1064, -16.3990
Hunter-Lab	87.3518, -13.4545, 2.8442

Details

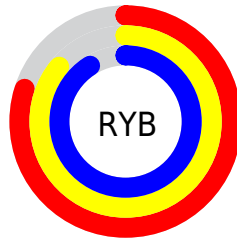
The CIELCh color `90, 9.440, 192.487` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `85, 10.066, 14.150`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 9.086, 195.232` is the 20% darker color. If you saturate the color by 10%, you get `89, 17.111, 191.726`, and if you desaturate by 10%, it is `92, 1.358, 193.582`.

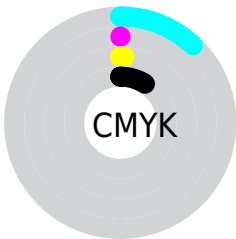
Distribution



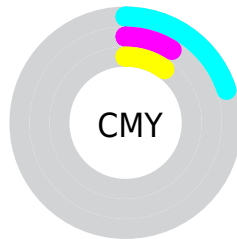
- Red (80%)
- Green (91%)
- Blue (90%)



- Red (80%)
- Yellow (86%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.440, 192.487 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 90, 9.440, 192.487 by changing the saturation by 10% instead.

■ 90, 9.440, 192.487

■ 90, 9.440, 192.487

■ 100, 9.440,
192.487

■ 80, 9.440, 192.487

■ 70, 9.440, 192.487

■ 60, 9.440, 192.487

■ 50, 9.440, 192.487

■ 40, 9.440, 192.487

■ 30, 9.440, 192.487

■ 20, 9.440, 192.487

■ 10, 9.440, 192.487

■ 0, 9.440, 192.487

90, 9.440, 192.487

90, 9.440, 192.487

89, 17.111,
191.726

92, 1.358, 193.582

87, 24.233,
190.993

93, 7.018, 13.776

86, 30.668,
190.264

94, 8.490, 8.942

85, 36.283,
189.530

94, 8.686, 3.215

84, 40.969,
188.780

94, 8.966, 357.797

84, 44.651,
188.002

94, 9.324, 352.755

84, 47.315,
187.180

94, 9.749, 348.125

83, 49.016,
186.298

94, 10.235,
343.913

94, 10.772,
340.109

 83, 49.868,
185.518

Harmonies

Complementary

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



90, 9.440, 192.487



85, 10.066, 14.150

Rectangle

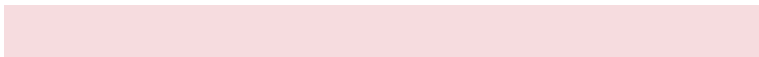
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 9.440, 192.487



90, 9.440, 242.487



90, 9.440, 12.487



90, 9.440, 62.487

Sweetspot

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



90, 9.441, 192.477



99, 2.671, 193.281



90, 16.711, 141.568



53, 2.022, 193.172



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 9.441, 192.477



98, 12.192, 192.291



87, 7.920, 247.341



47, 4.588, 192.650



66, 40.949, 185.688



18, 16.985, 187.244

Inverse Universe

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



85, 10.066, 14.150



90, 13.182, 14.388



87, 8.280, 64.600



45, 4.832, 13.939



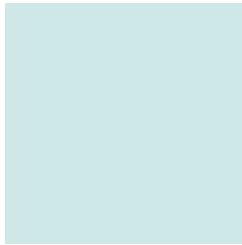
37, 76.906, 36.966



6, 26.881, 18.692

Previews

White Background



This preview shows how the CIELCh color 90, 9.440, 192.487 looks on a white background.

Color Contrast Check

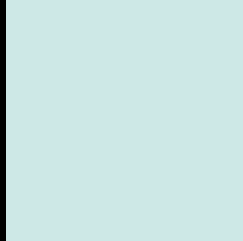
Large Text (above 18pt) WCAG AA × Fail

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 90, 9.440, 192.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

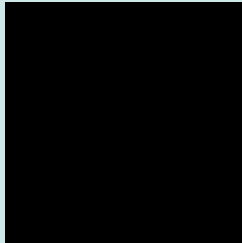
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

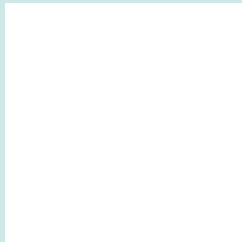
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.440, 192.487

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.440, 192.487.



This preview shows how white text looks on a background with the CIELCh color 90, 9.440, 192.487.

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](#).

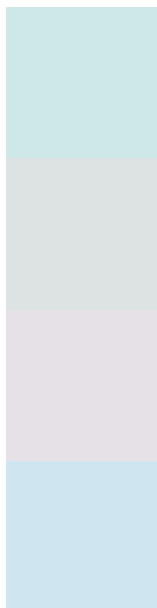
Dichromacy





Tritanopia
90, 11.574, 253.290

Trichromacy



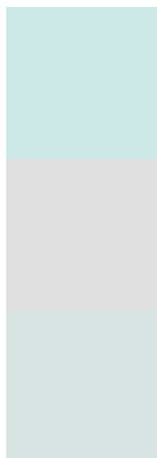
Original Color
90, 9.440, 192.487

Protanomaly
90, 2.126, 199.543

Deuteranomaly
90, 4.248, 320.574

Tritanomaly
90, 9.572, 235.815

Monochromacy



Original Color
90, 9.440, 192.487

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.582, 190.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.440, 192.487 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(205, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 232, 230)  
}
```

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(205, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 232, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.440, 192.487 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(205, 232, 230) }
```

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

```
.border{ border-color:rgb(205, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 232,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.440, 192.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 232, 230) }
```

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

```
.background{ background-color: rgb(205,  
232, 230) }
```

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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