

Converting Colors

CIELCh(90, 3.931, 229.187)

Have a look what the booklet for
CIELCh(90, 3.931, 229.187) contains.

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Color

CIELCh(90, 4.042, 230.329)

Conversions

Conversions Part 1

Format	Color
Hex	DAE4E8
RGB	218, 228, 232
RGB Percent	85%, 89%, 91%
CMY	0.1447, 0.1054, 0.0898
CMYK	0.06, 0.02, 0.00, 0.09
HSL	197°, 23%, 88%
HSV	197°, 6%, 91%
XYZ	71.3022, 76.3034, 87.3971
YIQ	225.4660, -7.2440, -0.8760

Conversions

Conversions Part 2

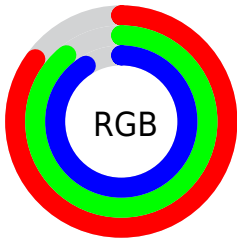
Format	Color
R _Y B	218, 224, 232
Decimal	14345448
CIE Lab	90.00, -2.58, -3.11
CIE LCh	90, 4.042, 230.329
Yxy	76.3034, 0.3034, 0.3247
Android (android.graphics.Color)	4292535528 (0xFFDAE4E8)
YUV	225.4660, 3.2213, -6.5477
Hunter-Lab	87.3518, -7.1623, 1.8255

Details

The CIELCh color `90, 4.042, 230.329` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 4.172, 49.263`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 3.999, 223.525` is the 20% darker color. If you saturate the color by 10%, you get `87, 10.502, 231.024`, and if you desaturate by 10%, it is `93, 2.701, 49.312`.

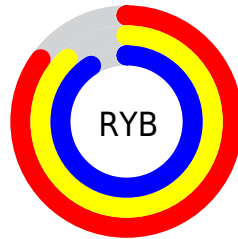
Distribution



Red (85%)

Green (89%)

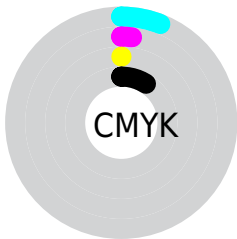
Blue (91%)



Red (85%)

Yellow (88%)

Blue (91%)

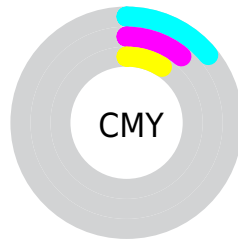


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (14%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.042, 230.329 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, 4.042, 230.329 by changing the saturation by 10% instead.

■ 90, 4.042, 230.329

■ 90, 4.042, 230.329

■ 100, 4.042,
230.329

■ 80, 4.042, 230.329

■ 70, 4.042, 230.329

■ 60, 4.042, 230.329

■ 50, 4.042, 230.329

■ 40, 4.042, 230.329

■ 30, 4.042, 230.329

■ 20, 4.042, 230.329

■ 10, 4.042, 230.329

■ 0, 4.042, 230.329

90, 4.042, 230.329

90, 4.042, 230.329

87, 10.502,
231.024

93, 2.701, 49.312

83, 16.602,
232.053

96, 6.811, 63.418

80, 22.258,
233.389

98, 8.448, 92.103

77, 27.385,
235.102

99, 11.395,
108.625

75, 31.912,
237.276

99, 11.584,
109.302

72, 35.794,
240.006

69, 39.035,
243.380

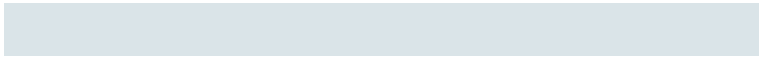
67, 41.714,
247.453

■ 65, 43.994,
252.200

Harmonies

Complementary

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



90, 4.042, 230.329



89, 4.172, 49.263

Rectangle

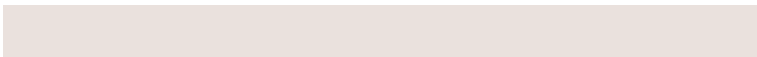
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



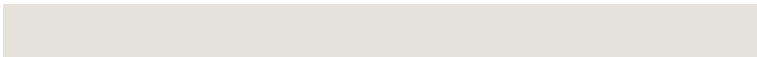
90, 4.042, 230.329



90, 4.042, 280.329



90, 4.042, 50.329



90, 4.042, 100.329

Sweetspot

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



90, 4.042, 230.297



99, 1.461, 230.303



91, 7.250, 153.262



53, 0.831, 230.318



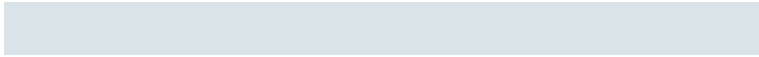
0, 0.000, 0.000



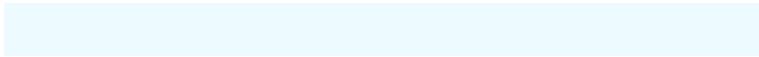
53, 0.007, 296.813

Same Dimension

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



90, 4.042, 230.297



97, 5.052, 230.350



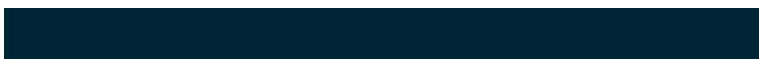
88, 5.808, 280.130



48, 3.062, 230.381



51, 37.014, 253.274



14, 15.042, 244.869

Inverse Universe

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



88, 7.271, 334.059



96, 9.114, 334.134



91, 5.759, 98.661



47, 5.533, 334.175



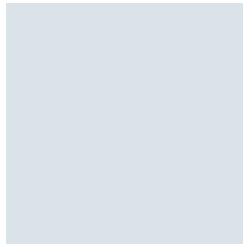
40, 72.073, 343.796



8, 31.754, 340.917

Previews

White Background



This preview shows how the CIELCh color 90, 4.042, 230.329 looks on a white background.

Color Contrast Check

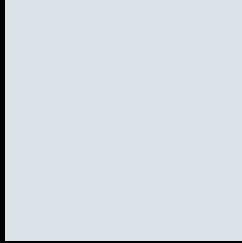
Large Text (above 18pt) WCAG AA × Fail

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 90, 4.042, 230.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

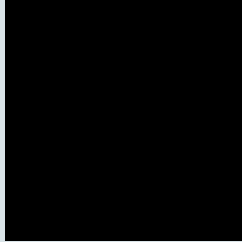
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

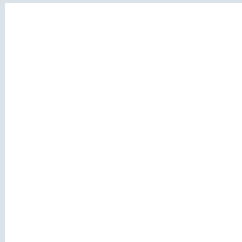
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.042, 230.329

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.042, 230.329.



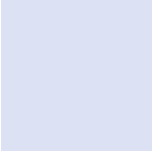
This preview shows how white text looks on a background with the CIELCh color 90, 4.042, 230.329.

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](#).

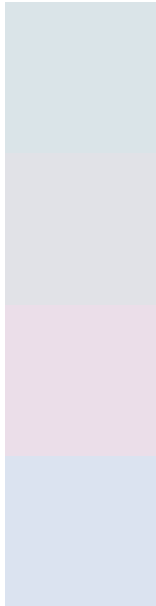
Dichromacy





Tritanopia
90, 9.544, 278.487

Trichromacy



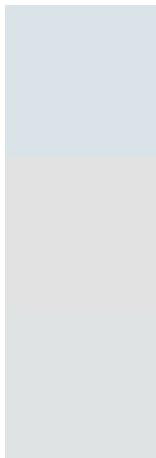
Original Color
90, 4.042, 230.329

Protanomaly
90, 2.625, 282.681

Deuteranomaly
90, 7.397, 329.254

Tritanomaly
90, 7.251, 268.336

Monochromacy



Original Color
90, 4.042, 230.329

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.505, 219.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.042, 230.329 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(218, 228, 232)` looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 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(218, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.042, 230.329 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(218, 228, 232) }
```

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

```
.border{ border-color:rgb(218, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.042, 230.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 232) }
```

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

```
.background{ background-color: rgb(218,  
228, 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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