

Converting Colors

CIELCh(90, 4.864, 248.223)

Have a look what the booklet for
CIELCh(90, 4.864, 248.223) contains.

CIELCh(90, 4.990, 246.224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 4.990, 246.224)

Conversions

Conversions Part 1

Format	Color
Hex	DAE4EB
RGB	218, 228, 235
RGB Percent	85%, 89%, 92%
CMY	0.1455, 0.1063, 0.0789
CMYK	0.07, 0.03, 0.00, 0.08
HSL	205°, 30%, 89%
HSV	205°, 7%, 92%
XYZ	71.5703, 76.3034, 89.4660
YIQ	225.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

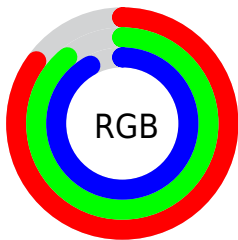
Format	Color
R _Y B	218, 224, 235
Decimal	14345451
CIE Lab	90.00, -2.01, -4.57
CIE LCh	90, 4.990, 246.224
Yxy	76.3034, 0.3016, 0.3215
Android (android.graphics.Color)	4292535531 (0xFFDAE4EB)
YUV	225.8080, 4.5317, -6.8476
Hunter-Lab	87.3518, -6.6146, 0.4212

Details

The CIELCh color `90, 4.990, 246.224` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 5.121, 64.430`, 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, 4.861, 241.845` is the 20% darker color. If you saturate the color by 10%, you get `86, 11.726, 247.471`, and if you desaturate by 10%, it is `94, 1.915, 64.744`.

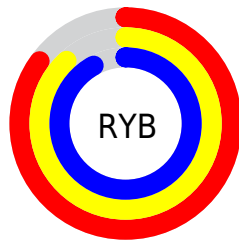
Distribution



Red (85%)

Green (89%)

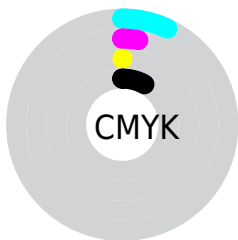
Blue (92%)



Red (85%)

Yellow (88%)

Blue (92%)

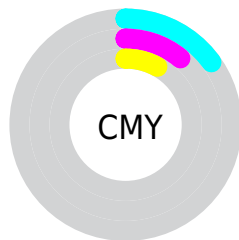


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.990, 246.224 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, 4.990, 246.224 by changing the saturation by 10% instead.

■ 90, 4.990, 246.224

■ 90, 4.990, 246.224

■ 100, 4.990,
246.224

■ 80, 4.990, 246.224

■ 70, 4.990, 246.224

■ 60, 4.990, 246.224

■ 50, 4.990, 246.224

■ 40, 4.990, 246.224

■ 30, 4.990, 246.224

■ 20, 4.990, 246.224

■ 10, 4.990, 246.224

■ 0, 4.990, 246.224

90, 4.990, 246.224

90, 4.990, 246.224

86, 11.726,
247.471

94, 1.915, 64.744

82, 18.245,
249.069

98, 6.854, 85.579

78, 24.496,
251.025

100, 10.181,
109.407

74, 30.436,
253.409

70, 36.038,
256.295

67, 41.310,
259.749

63, 46.311,
263.799

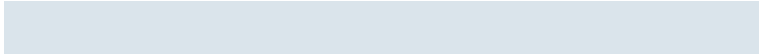
60, 51.159,
268.401

■ 57, 56.022,
273.392

Harmonies

Complementary

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



90, 4.990, 246.224



90, 5.121, 64.430

Rectangle

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



90, 4.990, 246.224



90, 4.990, 296.224



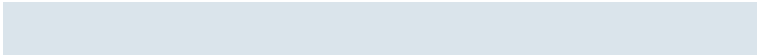
90, 4.990, 66.224



90, 4.990, 116.224

Sweetspot

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



90, 4.989, 246.199



99, 1.487, 245.852



92, 8.066, 158.132



53, 0.846, 245.859



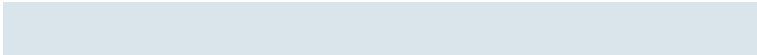
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 4.989, 246.199



96, 6.617, 246.401



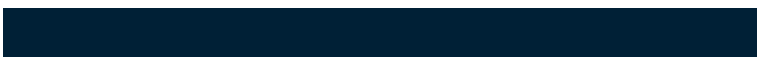
88, 8.009, 286.611



47, 3.901, 246.451



44, 46.584, 273.835



11, 17.720, 264.989

Inverse Universe

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



89, 8.058, 339.676



94, 10.730, 339.829



92, 7.894, 105.035



46, 6.333, 339.865



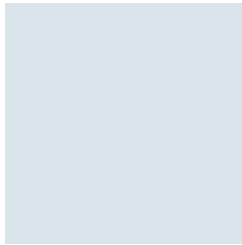
39, 67.260, 353.847



8, 29.652, 348.807

Previews

White Background



This preview shows how the CIELCh color 90, 4.990, 246.224 looks on a white background.

Color Contrast Check

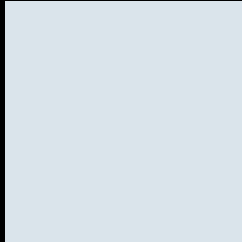
Large Text (above 18pt) WCAG AA × Fail

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, 4.990, 246.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

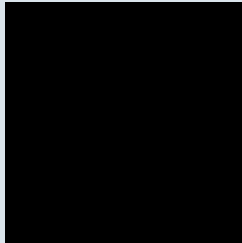
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

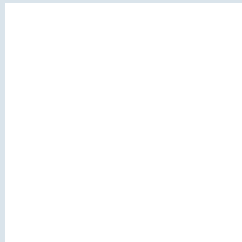
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.990, 246.224

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.990, 246.224.



This preview shows how white text looks on a background with the CIELCh color 90, 4.990, 246.224.

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](#).

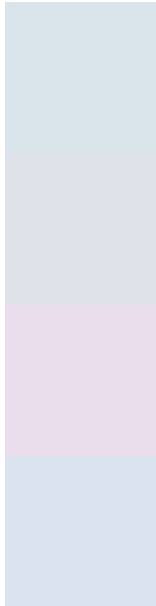
Dichromacy





Tritanopia
90, 9.617, 276.497

Trichromacy



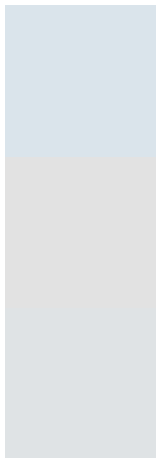
Original Color
90, 4.990, 246.224

Protanomaly
90, 4.212, 280.937

Deuteranomaly
90, 8.476, 320.738

Tritanomaly
90, 7.731, 269.878

Monochromacy



Original Color
90, 4.990, 246.224

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.747, 236.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.990, 246.224 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 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(218, 228, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.990, 246.224 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, 235) }
```

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

```
.border{ border-color:rgb(218, 228, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 228, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 228, 235); box-shadow:4px 4px 4px 4px rgb(218, 228, 235) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.990, 246.224 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, 235) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor