

Converting Colors

CIELCh(90, 12.108, 216.062)

Have a look what the booklet for
CIELCh(90, 12.108, 216.062)
contains.

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Color

CIELCh(90, 12.145, 213.635)

Conversions

Conversions Part 1

Format	Color
Hex	C6E9EF
RGB	198, 233, 239
RGB Percent	78%, 91%, 94%
CMY	0.2246, 0.0874, 0.0638
CMYK	0.17, 0.03, 0.00, 0.06
HSL	189°, 56%, 86%
HSV	189°, 17%, 94%
XYZ	67.8147, 76.3034, 92.5976
YIQ	223.2190, -22.7860, -5.5540

Conversions

Conversions Part 2

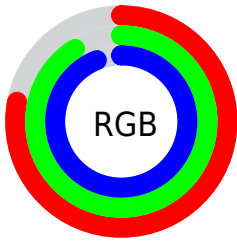
Format	Color
R _{YB}	198, 217, 239
Decimal	13036015
CIE Lab	90.00, -10.11, -6.73
CIE LCh	90, 12.145, 213.635
Yxy	76.3034, 0.2865, 0.3223
Android (android.graphics.Color)	4291226095 (0xFFC6E9EF)
YUV	223.2190, 7.7800, -22.1171
Hunter-Lab	87.3518, -14.2890, -1.7043

Details

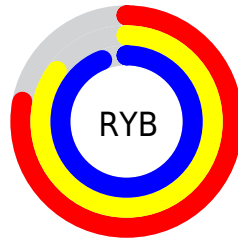
The CIELCh color **90, 12.145, 213.635** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 13.634, 33.582**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.937, 214.602** is the 20% darker color. If you saturate the color by 10%, you get **88, 18.575, 213.866**, and if you desaturate by 10%, it is **92, 5.217, 213.577**.

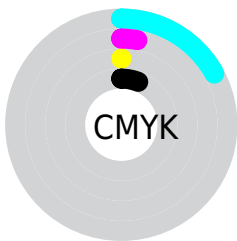
Distribution



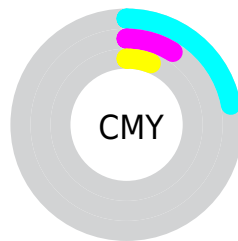
- Red (78%)
- Green (91%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)





- Cyan (22%)
- Magenta (9%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 12.145, 213.635 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, 12.145, 213.635 by changing the saturation by 10% instead.


 90, 12.145,
213.635


 90, 12.145,
213.635


 100, 12.145,
213.635


 80, 12.145,
213.635


 70, 12.145,
213.635

 60, 12.145,
213.635

 50, 12.145,
213.635

 40, 12.145,
213.635

 30, 12.145,
213.635

 20, 12.145,

213.635

■ 10, 12.145,
213.635

■ 0, 12.145, 213.635

■ 90, 12.145,
213.635

■ 90, 12.145,
213.635

■ 88, 18.575,
213.866

■ 92, 5.217, 213.577

■ 85, 24.388,
214.293

■ 95, 2.103, 33.147

■ 97, 4.785, 48.006

■ 83, 29.464,
214.946

■ 98, 5.008, 73.423

■ 82, 33.694,
215.875

■ 98, 6.055, 93.181

■ 99, 7.586, 106.014

■ 80, 36.998,
217.141

■ 100, 8.241,
109.551

■ 78, 39.339,
218.808

■ 77, 40.751,
220.939

■ 76, 41.365,
223.570

■ 76, 41.474,
224.365

Harmonies

Complementary

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



90, 12.145, 213.635



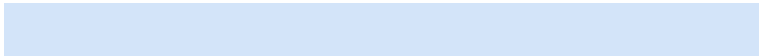
85, 13.634, 33.582

Rectangle

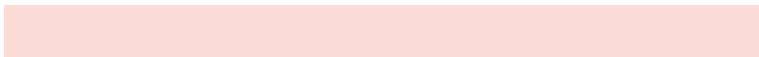
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 12.145, 213.635



90, 12.145, 263.635



90, 12.145, 33.635



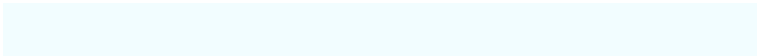
90, 12.145, 83.635

Sweetspot

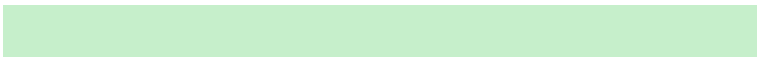
The Sweet Spot groups the original color and five complimentary colors.



90, 12.145, 213.626



99, 3.858, 213.618



91, 23.691, 147.173



52, 2.627, 213.600



0, 0.000, 0.000



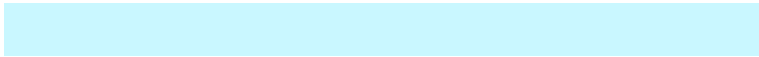
53, 0.007, 296.813

Same Dimension

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



90, 12.145, 213.626



94, 15.474, 213.699



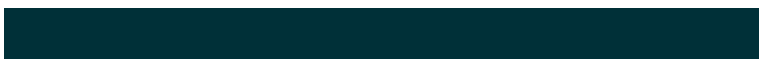
85, 14.445, 270.825



49, 4.122, 213.565



59, 34.081, 223.841



17, 14.983, 219.521

Inverse Universe

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



84, 23.531, 329.746



87, 30.388, 329.991



90, 14.597, 86.147



47, 7.782, 329.263



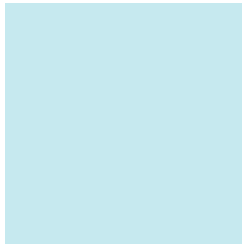
42, 80.540, 335.056



9, 35.716, 333.974

Previews

White Background



This preview shows how the CIE LCh color 90, 12.145, 213.635 looks on a white background.

Color Contrast Check

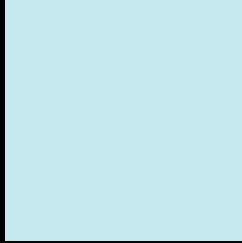
Large Text (above 18pt) WCAG AA × Fail

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, 12.145, 213.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

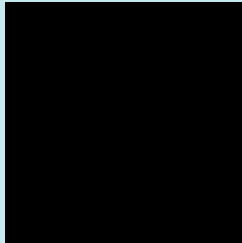
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

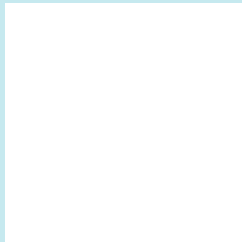
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 12.145, 213.635

Background



This preview shows how black text looks on a background with the CIELCh color 90, 12.145, 213.635.



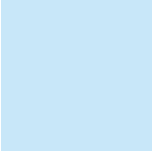
This preview shows how white text looks on a background with the CIELCh color 90, 12.145, 213.635.

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](#).

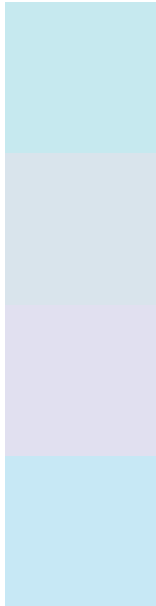
Dichromacy





Tritanopia
90, 13.695, 242.196

Trichromacy



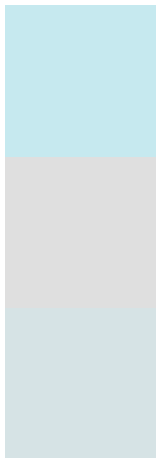
Original Color
90, 12.145, 213.635

Protanomaly
90, 5.592, 247.439

Deuteranomaly
90, 8.344, 293.247

Tritanomaly
90, 12.763, 230.907

Monochromacy



Original Color
90, 12.145, 213.635

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.658, 212.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 12.145, 213.635 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(198, 233, 239)` looks like.

```
.text, #text, p{  
    color:rgb(198, 233, 239)  
}
```

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(198, 233, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 12.145, 213.635 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(198, 233, 239) }
```

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

```
.border{ border-color:rgb(198, 233, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 233, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 233, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 233, 239);  
box-shadow:4px 4px 4px 4px rgb(198, 233,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 12.145, 213.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 233, 239) }
```

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

```
.background{ background-color: rgb(198,  
233, 239) }
```

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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