

Converting Colors

CIE LCh(90, 9.227, 215.319)

Have a look what the booklet for
CIELCh(90, 9.227, 215.319) contains.

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Color

CIE LCh(90, 9.221, 215.319)

Conversions

Conversions Part 1

Format	Color
Hex	CDE7EC
RGB	205, 231, 236
RGB Percent	80%, 91%, 93%
CMY	0.1955, 0.0935, 0.0739
CMYK	0.13, 0.02, 0.00, 0.07
HSL	190°, 45%, 87%
HSV	190°, 13%, 93%
XYZ	68.9999, 76.3034, 90.5658
YIQ	223.7960, -17.1010, -3.9570

Conversions

Conversions Part 2

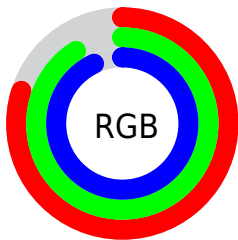
Format	Color
R _Y B	205, 219, 236
Decimal	13494252
CIE Lab	90.00, -7.52, -5.33
CIE LCh	90, 9.221, 215.319
Yxy	76.3034, 0.2925, 0.3235
Android (android.graphics.Color)	4291684332 (0xFFCDE7EC)
YUV	223.7960, 6.0166, -16.4841
Hunter-Lab	87.3518, -11.8670, -0.3252

Details

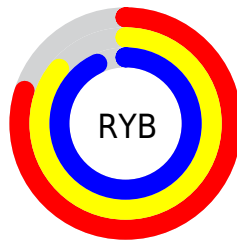
The CIELCh color **90, 9.221, 215.319** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 10.050, 35.033**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 8.941, 216.695** is the 20% darker color. If you saturate the color by 10%, you get **88, 15.747, 215.558**, and if you desaturate by 10%, it is **93, 2.255, 215.372**.

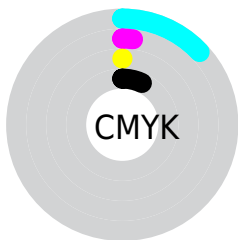
Distribution



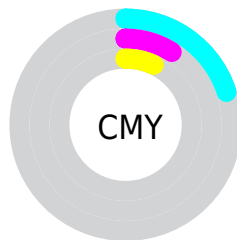
- Red (80%)
- Green (91%)
- Blue (93%)



- Red (80%)
- Yellow (86%)
- Blue (93%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.221, 215.319 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, 9.221, 215.319 by changing the saturation by 10% instead.

■ 90, 9.221, 215.319

■ 90, 9.221, 215.319

■ 100, 9.221,
215.319

■ 80, 9.221, 215.319

■ 70, 9.221, 215.319

■ 60, 9.221, 215.319

■ 50, 9.221, 215.319

■ 40, 9.221, 215.319

■ 30, 9.221, 215.319

■ 20, 9.221, 215.319

■ 10, 9.221, 215.319

■ 0, 9.221, 215.319

90, 9.221, 215.319

90, 9.221, 215.319

88, 15.747,
215.558

93, 2.255, 215.372

85, 21.721,
216.002

95, 5.052, 34.935

83, 27.027,
216.671

96, 5.519, 55.911

81, 31.553,
217.617

97, 6.037, 78.911

79, 35.208,
218.904

98, 7.320, 95.974

99, 9.042, 107.209

78, 37.939,
220.601

100, 9.539,
109.455

76, 39.751,
222.779

75, 40.733,
225.497

■ 74, 41.081,
227.633

Harmonies

Complementary

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



90, 9.221, 215.319



86, 10.050, 35.033

Rectangle

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



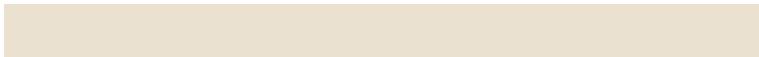
90, 9.221, 215.319



90, 9.221, 265.319



90, 9.221, 35.319



90, 9.221, 85.319

Sweetspot

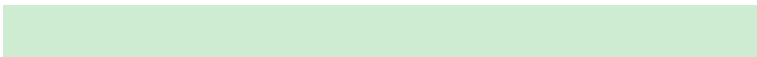
The Sweet Spot groups the original color and five complimentary colors.



90, 9.221, 215.307



99, 3.062, 215.320



91, 17.712, 148.005



53, 2.172, 215.293



0, 0.000, 0.000



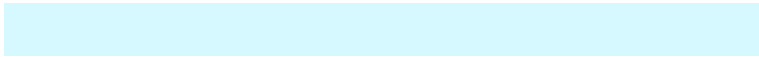
53, 0.007, 296.813

Same Dimension

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



90, 9.221, 215.307



96, 11.859, 215.361



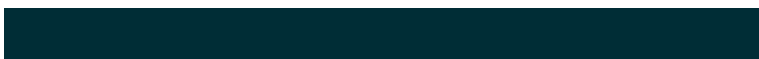
86, 11.125, 271.585



48, 4.009, 215.265



58, 33.668, 227.035



16, 14.478, 221.963

Inverse Universe

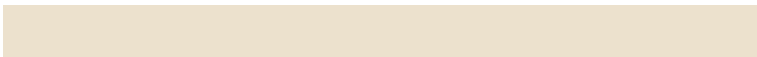
The Inverse Universe completely reimagines the original color for something new.



86, 17.617, 329.989



90, 22.880, 330.176



90, 11.175, 88.085



46, 7.566, 329.756



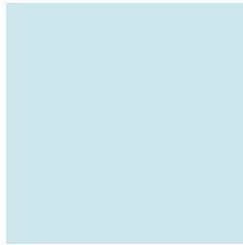
41, 78.810, 335.872



9, 34.364, 334.583

Previews

White Background



This preview shows how the CIELCh color 90, 9.221, 215.319 looks on a white background.

Color Contrast Check

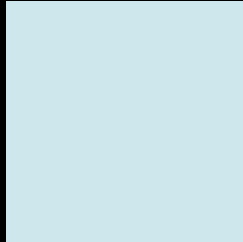
Large Text (above 18pt) WCAG AA × Fail

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, 9.221, 215.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

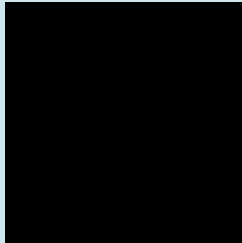
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

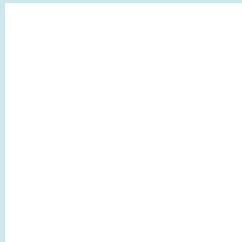
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.221, 215.319

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.221, 215.319.

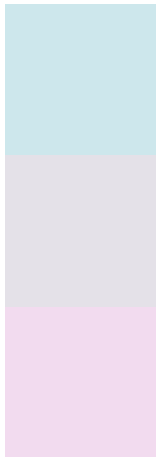


This preview shows how white text looks on a background with the CIELCh color 90, 9.221, 215.319.

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



Original Color
90, 9.221, 215.319

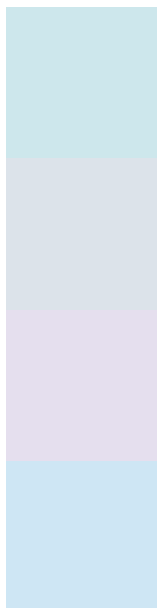
Protanopia
90, 3.812, 306.650

Deuteranopia
90, 13.265, 328.753



Tritanopia
90, 12.167, 253.622

Trichromacy



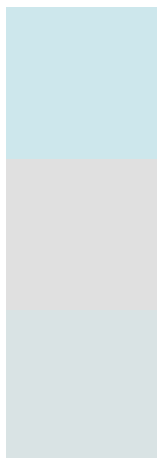
Original Color
90, 9.221, 215.319

Protanomaly
90, 4.352, 256.272

Deuteranomaly
90, 8.120, 305.804

Tritanomaly
90, 10.748, 241.794

Monochromacy



Original Color
90, 9.221, 215.319

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 3.554, 207.759

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 90, 9.221, 215.319 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, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 236)  
}
```

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, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.221, 215.319 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, 231, 236) }
```

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

```
.border{ border-color:rgb(205, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.221, 215.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 236) }
```

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

```
.background{ background-color: rgb(205,  
231, 236) }
```

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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