

Converting Colors

CIELCh(90, 10.572, 216.201)

Have a look what the booklet for
CIELCh(90, 10.572, 216.201)
contains.

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Color

CIElCh(90, 10.593, 215.991)

Conversions

Conversions Part 1

Format	Color
Hex	CAE8EE
RGB	202, 232, 238
RGB Percent	79%, 91%, 93%
CMY	0.2085, 0.0909, 0.0674
CMYK	0.15, 0.03, 0.00, 0.07
HSL	190°, 51%, 86%
HSV	190°, 15%, 93%
XYZ	68.5187, 76.3034, 91.8635
YIQ	223.7140, -19.8060, -4.4940

Conversions

Conversions Part 2

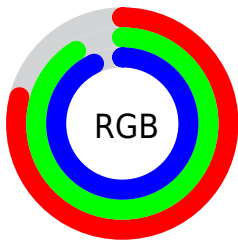
Format	Color
R _Y B	202, 218, 238
Decimal	13297902
CIE Lab	90.00, -8.57, -6.23
CIE LCh	90, 10.593, 215.991
Yxy	76.3034, 0.2895, 0.3224
Android (android.graphics.Color)	4291487982 (0xFFCAE8EE)
YUV	223.7140, 7.0430, -19.0432
Hunter-Lab	87.3518, -12.8503, -1.2061

Details

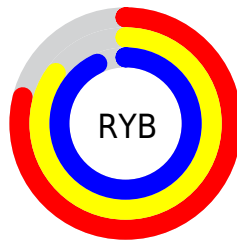
The CIELCh color **90, 10.593, 215.991** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 11.709, 35.621**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 10.356, 217.264** is the 20% darker color. If you saturate the color by 10%, you get **88, 17.033, 216.301**, and if you desaturate by 10%, it is **93, 3.692, 215.896**.

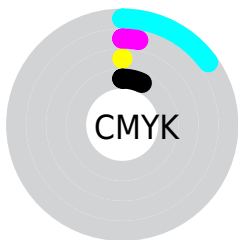
Distribution



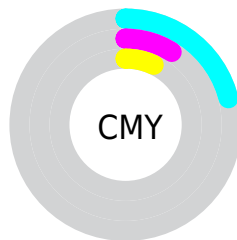
- Red (79%)
- Green (91%)
- Blue (93%)



- Red (79%)
- Yellow (85%)
- Blue (93%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (21%)
- Magenta (9%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 10.593, 215.991 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, 10.593, 215.991 by changing the saturation by 10% instead.


 90, 10.593,
215.991


 90, 10.593,
215.991


 100, 10.593,
215.991


 80, 10.593,
215.991


 70, 10.593,
215.991

 60, 10.593,
215.991

 50, 10.593,
215.991

 40, 10.593,
215.991

 30, 10.593,
215.991

 20, 10.593,

215.991

■ 10, 10.593,
215.991

■ 0, 10.593, 215.991

■ 90, 10.593,
215.991

■ 90, 10.593,
215.991

■ 88, 17.033,
216.301

■ 93, 3.692, 215.896

■ 85, 22.899,
216.823

■ 95, 3.570, 35.470

■ 97, 5.021, 56.183

■ 83, 28.076,
217.587

■ 98, 5.637, 81.991

■ 81, 32.454,
218.649

■ 99, 7.099, 99.840

■ 100, 8.698,

■ 79, 35.948,
220.076

109.517

■ 77, 38.516,
221.942

■ 76, 40.181,
224.319

■ 75, 41.052,
227.260

■ 74, 41.310,
228.841

Harmonies

Complementary

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



90, 10.593, 215.991



86, 11.709, 35.621

Rectangle

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



90, 10.593, 215.991



90, 10.593, 265.991



90, 10.593, 35.991



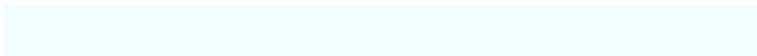
90, 10.593, 85.991

Sweetspot

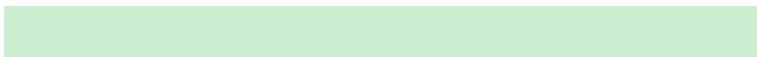
The Sweet Spot groups the original color and five complimentary colors.



90, 10.593, 215.980



99, 3.805, 215.898



91, 20.555, 147.855



52, 2.591, 215.887



0, 0.000, 0.000



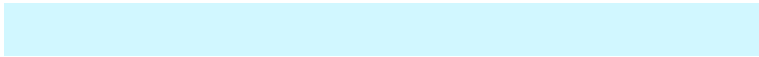
53, 0.007, 296.813

Same Dimension

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



90, 10.593, 215.980



95, 13.214, 216.055



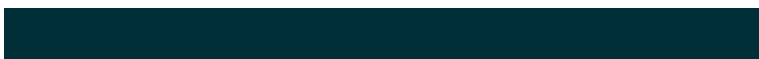
86, 12.915, 271.890



49, 4.066, 215.888



58, 34.021, 228.243



17, 14.888, 223.235

Inverse Universe

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



85, 20.369, 330.300



89, 25.662, 330.488



90, 12.990, 87.827



47, 7.672, 329.938



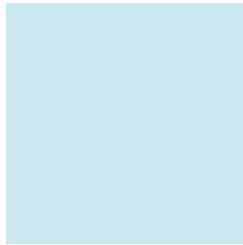
42, 79.297, 336.185



9, 35.236, 334.903

Previews

White Background



This preview shows how the CIE LCh color 90, 10.593, 215.991 looks on a white background.

Color Contrast Check

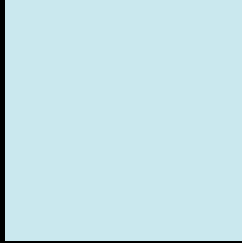
Large Text (above 18pt) WCAG AA × Fail

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, 10.593, 215.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

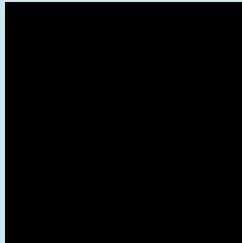
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

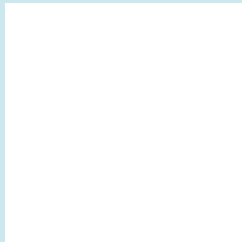
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 10.593, 215.991

Background



This preview shows how black text looks on a background with the CIELCh color 90, 10.593, 215.991.



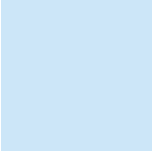
This preview shows how white text looks on a background with the CIELCh color 90, 10.593, 215.991.

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](#).

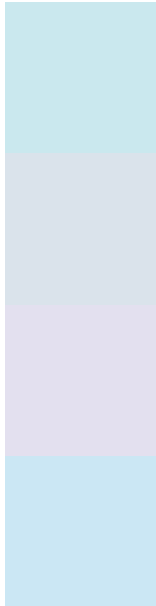
Dichromacy





Tritanopia
90, 12.586, 247.244

Trichromacy



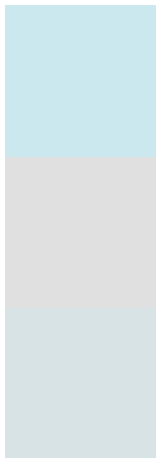
Original Color
90, 10.593, 215.991

Protanomaly
90, 5.163, 253.152

Deuteranomaly
90, 7.895, 298.432

Tritanomaly
90, 11.442, 235.254

Monochromacy



Original Color
90, 10.593, 215.991

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.986, 214.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 10.593, 215.991 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(202, 232, 238)` looks like.

```
.text, #text, p{  
    color:rgb(202, 232, 238)  
}
```

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(202, 232, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 232, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 10.593, 215.991 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(202, 232, 238) }
```

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

```
.border{ border-color:rgb(202, 232, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 232, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 232, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 232, 238);  
box-shadow:4px 4px 4px 4px rgb(202, 232,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 10.593, 215.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 232, 238) }
```

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

```
.background{ background-color: rgb(202,  
232, 238) }
```

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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