

Converting Colors

CIELCh(90, 0.899, 215.379)

Have a look what the booklet for
CIELCh(90, 0.899, 215.379) contains.

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Color

CIELCh(90, 1.065, 199.901)

Conversions

Conversions Part 1

Format	Color
Hex	E0E3E3
RGB	224, 227, 227
RGB Percent	88%, 89%, 89%
CMY	0.1217, 0.1099, 0.1099
CMYK	0.01, 0.00, 0.00, 0.11
HSL	180°, 5%, 88%
HSV	180°, 1%, 89%
XYZ	72.0482, 76.3034, 83.5768
YIQ	226.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

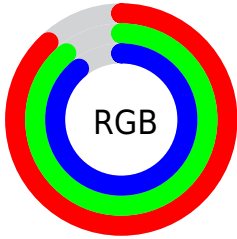
Format	Color
R_{YB}	224, 226, 227
Decimal	14738403
CIE Lab	90.00, -1.00, -0.36
CIE LCh	90, 1.065, 199.901
Yxy	76.3034, 0.3106, 0.3290
Android (android.graphics.Color)	4292928483 (0xFFE0E3E3)
YUV	226.1030, 0.4422, -1.8443
Hunter-Lab	87.3518, -5.6379, 4.4186

Details

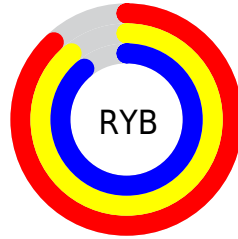
The CIELCh color `90, 1.065, 199.901` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 1.078, 18.820`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 1.121, 199.750` is the 20% darker color. If you saturate the color by 10%, you get `88, 8.921, 198.749`, and if you desaturate by 10%, it is `92, 7.138, 19.718`.

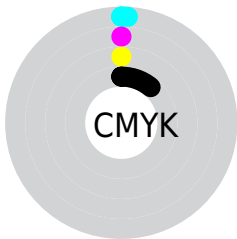
Distribution



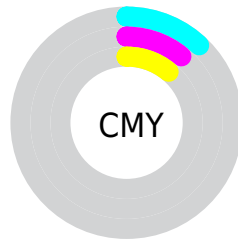
- Red (88%)
- Green (89%)
- Blue (89%)



- Red (88%)
- Yellow (89%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 1.065, 199.901 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, 1.065, 199.901 by changing the saturation by 10% instead.

■ 90, 1.065, 199.901

■ 90, 1.065, 199.901

■ 100, 1.065,
199.901

■ 80, 1.065, 199.901

■ 70, 1.065, 199.901

■ 60, 1.065, 199.901

■ 50, 1.065, 199.901

■ 40, 1.065, 199.901

■ 30, 1.065, 199.901

■ 20, 1.065, 199.901

■ 10, 1.065, 199.901

■ 0, 1.065, 199.901

90, 1.065, 199.901

90, 1.065, 199.901

88, 8.921, 198.749

92, 7.138, 19.718

87, 16.306,
198.213

92, 10.218, 19.910

86, 23.091,
197.744

92, 10.218, 19.827

92, 10.217, 19.745

85, 29.146,
197.335

92, 10.217, 19.663

84, 34.349,
196.988

92, 10.217, 19.581

92, 10.216, 19.499

83, 38.603,
196.706

92, 10.216, 19.417

83, 41.852,
196.489

92, 10.216, 19.334

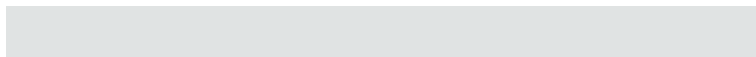
82, 44.095,
196.335

■ 82, 45.394,
196.239

Harmonies

Complementary

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



90, 1.065, 199.901



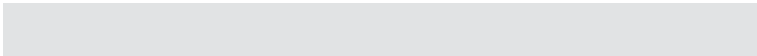
89, 1.078, 18.820

Rectangle

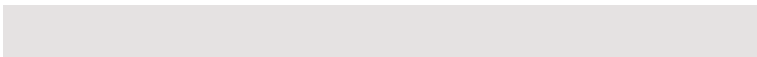
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 1.065, 199.901



90, 1.065, 249.901



90, 1.065, 19.901



90, 1.065, 69.901

Sweetspot

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



90, 1.066, 199.795

100, 0.012, 296.813



90, 1.884, 144.076



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

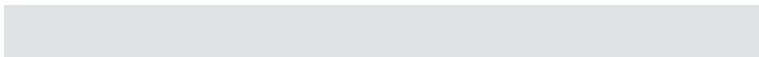
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 1.066, 199.795



100, 1.770, 199.562



90, 0.935, 254.196



48, 0.923, 199.592



66, 38.381, 196.194



18, 16.104, 196.223

Inverse Universe

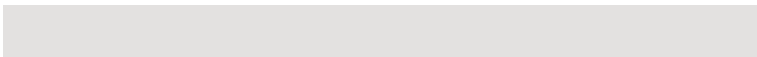
The Inverse Universe completely reimagines the original color for something new.



89, 1.078, 18.820



99, 1.795, 19.054



90, 0.923, 72.982



48, 0.935, 19.023



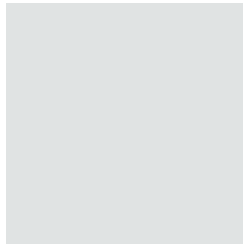
37, 79.927, 39.920



6, 27.100, 21.706

Previews

White Background



This preview shows how the CIELCh color 90, 1.065, 199.901 looks on a white background.

Color Contrast Check

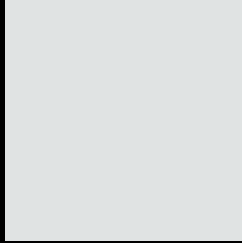
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 1.065, 199.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

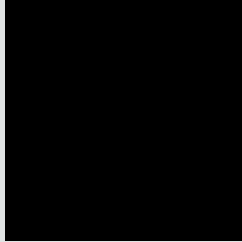
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

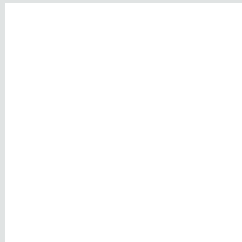
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 1.065, 199.901

Background



This preview shows how black text looks on a background with the CIELCh color 90, 1.065, 199.901.

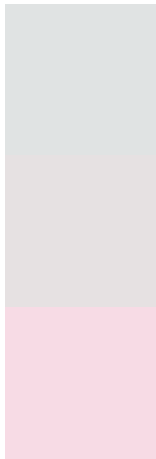


This preview shows how white text looks on a background with the CIELCh color 90, 1.065, 199.901.

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

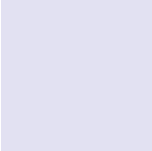
90, 1.065, 199.901

Protanopia

90, 1.874, 3.144

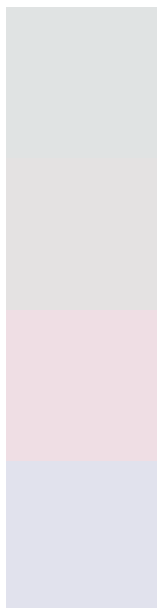
Deuteranopia

90, 11.384, 353.156



Tritanopia
90, 8.856, 293.141

Trichromacy



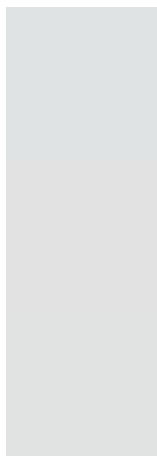
Original Color
90, 1.065, 199.901

Protanomaly
90, 0.716, 18.611

Deuteranomaly
90, 6.887, 352.982

Tritanomaly
90, 5.727, 287.155

Monochromacy



Original Color
90, 1.065, 199.901

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.355, 201.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 1.065, 199.901 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(224, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 227)  
}
```

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(224, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 1.065, 199.901 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(224, 227, 227) }
```

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

```
.border{ border-color:rgb(224, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 227, 227); box-shadow:4px 4px 4px 4px rgb(224, 227, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 1.065, 199.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 227) }
```

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

```
.background{ background-color: rgb(224,  
227, 227) }
```

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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