

Converting Colors

CIELCh(89, 7.776, 198.447)

Have a look what the booklet for
CIELCh(89, 7.776, 198.447) contains.

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Color

CIELCh(89, 7.663, 198.958)

Conversions

Conversions Part 1

Format	Color
Hex	CEE4E4
RGB	206, 228, 228
RGB Percent	81%, 89%, 89%
CMY	0.1924, 0.1061, 0.1061
CMYK	0.10, 0.00, 0.00, 0.11
HSL	180°, 29%, 85%
HSV	180°, 10%, 89%
XYZ	67.1584, 74.1641, 84.1296
YIQ	221.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

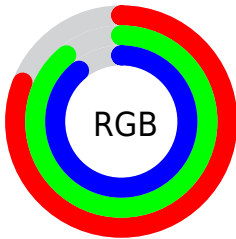
Format	Color
R _Y B	206, 217, 228
Decimal	13559012
CIE Lab	89.00, -7.25, -2.49
CIE LCh	89, 7.663, 198.958
Yxy	74.1641, 0.2979, 0.3290
Android (android.graphics.Color)	4291749092 (0xFFCEE4E4)
YUV	221.4220, 3.2430, -13.5251
Hunter-Lab	86.1186, -11.5068, 2.3624

Details

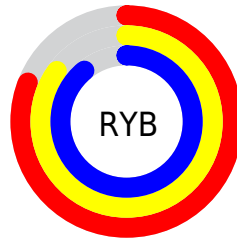
The CIELCh color **89, 7.663, 198.958** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 8.147, 19.938**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 7.656, 198.824** is the 20% darker color. If you saturate the color by 10%, you get **88, 15.161, 198.397**, and if you desaturate by 10%, it is **91, 0.284, 17.270**.

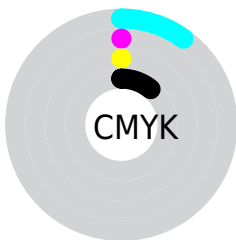
Distribution



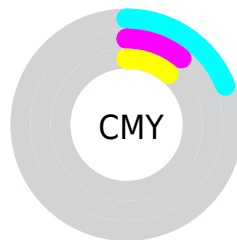
- Red (81%)
- Green (89%)
- Blue (89%)



- Red (81%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 7.663, 198.958 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 89, 7.663, 198.958 by changing the saturation by 10% instead.

■ 89, 7.663, 198.958

■ 89, 7.663, 198.958

■ 100, 7.663,
198.958

■ 79, 7.663, 198.958

■ 69, 7.663, 198.958

■ 59, 7.663, 198.958

■ 49, 7.663, 198.958

■ 39, 7.663, 198.958

■ 29, 7.663, 198.958

■ 19, 7.663, 198.958

■ 9, 7.663, 198.958

■ 0, 7.663, 198.958

89, 7.663, 198.958

89, 7.663, 198.958

88, 15.161,
198.397

91, 0.284, 17.270

86, 22.076,
197.922

92, 8.565, 19.921

85, 28.279,
197.508

93, 9.848, 20.012

84, 33.645,
197.157

93, 9.848, 19.992

84, 38.072,
196.872

93, 9.848, 19.981

83, 41.497,
196.653

93, 9.848, 19.961

83, 43.906,
196.500

93, 9.848, 19.951

83, 45.353,
196.408

■ 82, 46.027,
196.365

Harmonies

Complementary

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



89, 7.663, 198.958



85, 8.147, 19.938

Rectangle

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



89, 7.663, 198.958



89, 7.663, 248.958



89, 7.663, 18.958



89, 7.663, 68.958

Sweetspot

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



89, 7.664, 198.945



99, 2.650, 199.475



88, 13.943, 143.460



53, 2.005, 199.378



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 7.664, 198.945



98, 10.369, 198.802



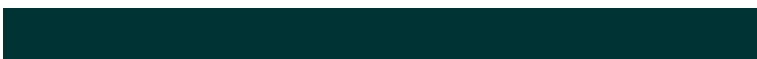
86, 6.770, 254.897



47, 4.537, 198.956



66, 38.350, 196.364



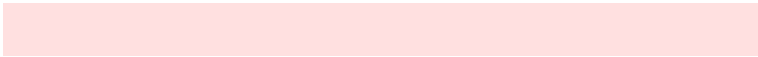
18, 16.093, 196.367

Inverse Universe

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



85, 8.147, 19.938



92, 11.200, 20.133



87, 6.944, 72.375



45, 4.817, 19.923



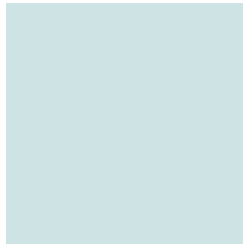
37, 79.977, 39.966



6, 27.104, 21.751

Previews

White Background



This preview shows how the CIELCh color 89, 7.663, 198.958 looks on a white background.

Color Contrast Check

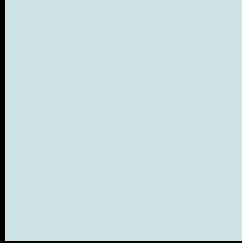
Large Text (above 18pt) WCAG AA × Fail

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 89, 7.663, 198.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

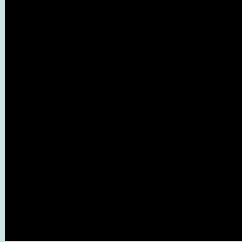
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

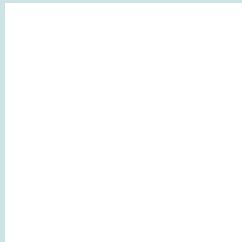
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 7.663, 198.958

Background



This preview shows how black text looks on a background with the CIELCh color 89, 7.663, 198.958.



This preview shows how white text looks on a background with the CIELCh color 89, 7.663, 198.958.

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](#).

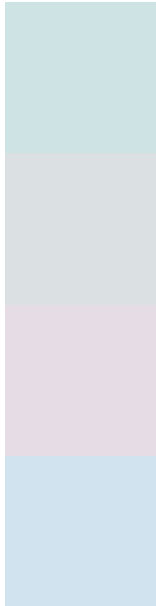
Dichromacy





Tritanopia
89, 10.447, 257.368

Trichromacy



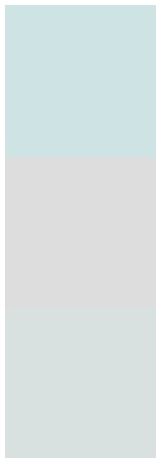
Original Color
89, 7.663, 198.958

Protanomaly
89, 2.045, 230.259

Deuteranomaly
89, 5.720, 324.608

Tritanomaly
89, 8.565, 241.211

Monochromacy



Original Color
89, 7.663, 198.958

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 2.836, 199.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 7.663, 198.958 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(206, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(206, 228, 228)  
}
```

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(206, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 228, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 7.663, 198.958 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(206, 228, 228) }
```

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

```
.border{ border-color:rgb(206, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(206, 228,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 7.663, 198.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 228, 228) }
```

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

```
.background{ background-color: rgb(206,  
228, 228) }
```

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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