

Converting Colors

CIELCh(89, 11.876, 212.572)

Have a look what the booklet for
CIELCh(89, 11.876, 212.572)
contains.

CIELCh(89, 11.766, 211.544)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 11.766, 211.544)

Conversions

Conversions Part 1

Format	Color
Hex	C4E6EB
RGB	196, 230, 235
RGB Percent	77%, 90%, 92%
CMY	0.2322, 0.0989, 0.0793
CMYK	0.17, 0.02, 0.00, 0.08
HSL	188°, 49%, 84%
HSV	188°, 17%, 92%
XYZ	65.9085, 74.1641, 89.2724
YIQ	220.4040, -21.8690, -5.6530

Conversions

Conversions Part 2

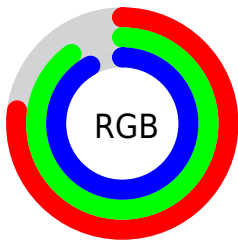
Format	Color
R_{YB}	196, 214, 235
Decimal	12904171
CIE _{Lab}	89.00, -10.03, -6.16
CIE _{LCh}	89, 11.766, 211.544
Yxy	74.1641, 0.2874, 0.3234
Android (android.graphics.Color)	4291094251 (0xFFC4E6EB)
YUV	220.4040, 7.1958, -21.4023
Hunter-Lab	86.1186, -14.0975, -1.1783

Details

The CIELCh color **89, 11.766, 211.544** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 13.158, 31.770**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.695, 200.315**, and **69, 11.547, 212.376** is the 20% darker color. If you saturate the color by 10%, you get **87, 18.222, 211.661**, and if you desaturate by 10%, it is **91, 4.814, 211.591**.

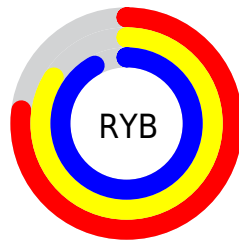
Distribution



Red (77%)

Green (90%)

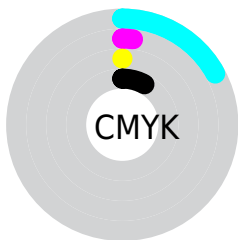
Blue (92%)



Red (77%)

Yellow (84%)

Blue (92%)

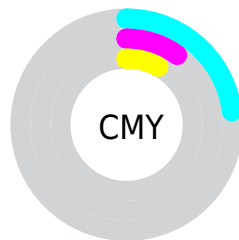


Cyan (17%)

Magenta (2%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (10%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 11.766, 211.544 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, 11.766, 211.544 by changing the saturation by 10% instead.

 89, 11.766,
211.544


 89, 11.766,
211.544

 100, 11.766,
211.544

 79, 11.766,
211.544

 69, 11.766,
211.544

 59, 11.766,
211.544

 49, 11.766,
211.544

 39, 11.766,
211.544

 29, 11.766,
211.544

 19, 11.766,

211.544

■ 9, 11.766, 211.544

■ 0, 11.766, 211.544

■ 89, 11.766,
211.544

■ 89, 11.766,
211.544

■ 87, 18.222,
211.661

■ 91, 4.814, 211.591

■ 85, 24.062,
211.954

■ 94, 2.525, 31.289

■ 83, 29.167,
212.447

■ 96, 6.172, 39.132

■ 81, 33.425,
213.183

■ 96, 5.934, 56.748

■ 80, 36.751,

■ 97, 6.273, 74.033

■ 98, 7.104, 88.362

214.212

98, 8.277, 99.132

78, 39.106,
215.589

99, 9.665, 106.991

77, 40.515,
217.369

100, 10.234,
109.403

76, 41.089,
219.589

76, 41.188,
220.403

Harmonies

Complementary

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



89, 11.766, 211.544



84, 13.158, 31.770

Rectangle

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



89, 11.766, 211.544



89, 11.766, 261.544



89, 11.766, 31.544



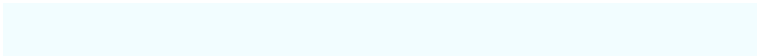
89, 11.766, 81.544

Sweetspot

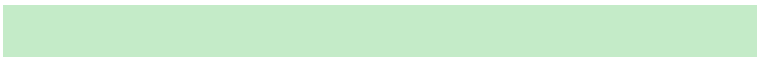
The Sweet Spot groups the original color and five complimentary colors.



89, 11.766, 211.535



99, 3.910, 211.637



89, 22.873, 146.704



52, 2.663, 211.614



0, 0.000, 0.000



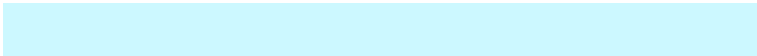
53, 0.007, 296.813

Same Dimension

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



89, 11.766, 211.535



95, 14.983, 211.561



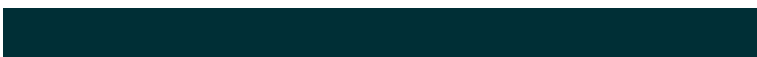
84, 13.529, 269.296



48, 4.105, 211.547



60, 33.935, 219.952



17, 14.683, 216.067

Inverse Universe

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



83, 22.736, 329.117



88, 29.303, 329.331



88, 13.715, 84.762



46, 7.744, 328.676



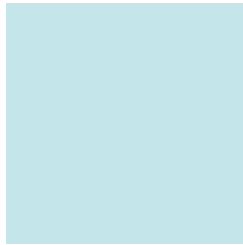
42, 80.842, 334.081



9, 35.126, 333.121

Previews

White Background



This preview shows how the CIELCh color 89, 11.766, 211.544 looks on a white background.

Color Contrast Check

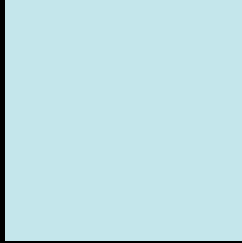
Large Text (above 18pt) WCAG AA × Fail

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, 11.766, 211.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

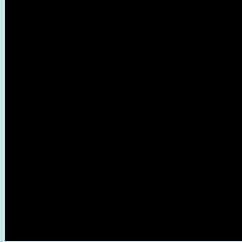
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 11.766, 211.544

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.766, 211.544.

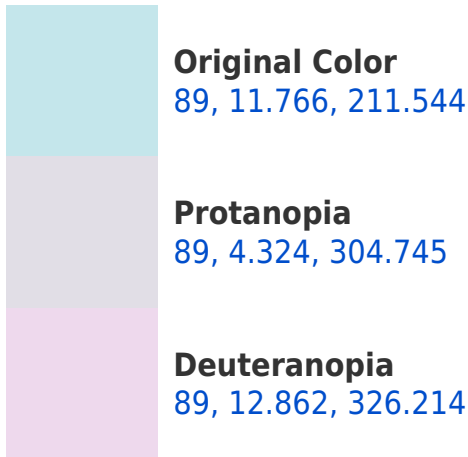


This preview shows how white text looks on a background with the CIELCh color 89, 11.766, 211.544.

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](#).

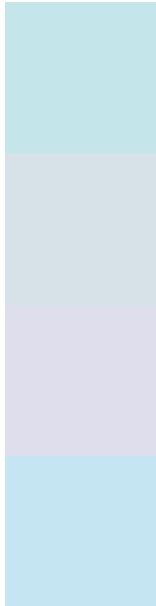
Dichromacy





Tritanopia
89, 13.491, 243.163

Trichromacy



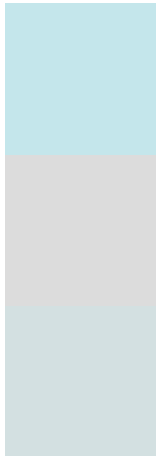
Original Color
89, 11.766, 211.544

Protanomaly
89, 5.243, 243.470

Deuteranomaly
89, 7.317, 293.519

Tritanomaly
89, 12.516, 231.719

Monochromacy



Original Color
89, 11.766, 211.544

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.599, 205.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.766, 211.544 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(196, 230, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 235)  
}
```

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(196, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.766, 211.544 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(196, 230, 235) }
```

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

```
.border{ border-color:rgb(196, 230, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 230, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 230,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.766, 211.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 235) }
```

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

```
.background{ background-color: rgb(196,  
230, 235) }
```

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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