

# Converting Colors

CIELCh(88, 10.101, 202.345)

Have a look what the booklet for  
CIELCh(88, 10.101, 202.345)  
contains.

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# **Color**

**CIELCh(88, 10.022, 204.790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5E2E4
RGB	197, 226, 228
RGB Percent	77%, 89%, 89%
CMY	0.2264, 0.1126, 0.1048
CMYK	0.14, 0.01, 0.00, 0.10
HSL	184°, 37%, 83%
HSV	184°, 14%, 90%
XYZ	64.4093, 72.0653, 84.1138
YIQ	217.5570, -17.9260, -5.5260

# Conversions

## Conversions Part 2

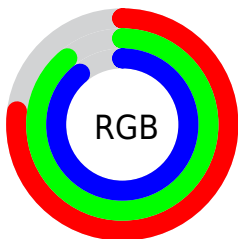
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 212, 228
Decimal	12968676
CIE Lab	88.00, -9.10, -4.20
CIE LCh	88, 10.022, 204.790
Yxy	72.0653, 0.2920, 0.3267
Android (android.graphics.Color)	4291158756 (0xFFC5E2E4)
YUV	217.5570, 5.1484, -18.0285
Hunter-Lab	84.8913, -13.1270, 0.6769

# Details

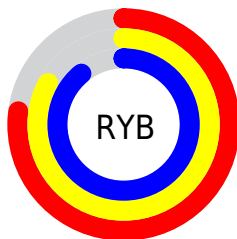
The CIELCh color **88, 10.022, 204.790** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 10.962, 25.672**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **68, 10.088, 204.913** is the 20% darker color. If you saturate the color by 10%, you get **86, 16.853, 204.537**, and if you desaturate by 10%, it is **90, 2.713, 205.237**.

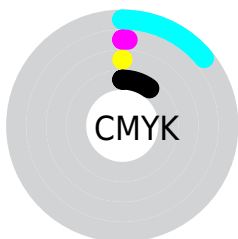
# Distribution



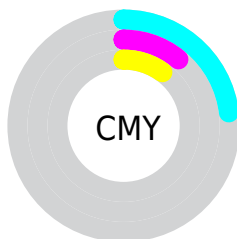
- Red (77%)
- Green (89%)
- Blue (89%)



- Red (77%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)




- Cyan (23%)
- Magenta (11%)
- Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 10.022, 204.790 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 88, 10.022, 204.790 by changing the saturation by 10% instead.





 88, 10.022,  
204.790


 88, 10.022,  
204.790


 100, 10.022,  
204.790


 78, 10.022,  
204.790

 68, 10.022,  
204.790

 58, 10.022,  
204.790

 48, 10.022,  
204.790

 38, 10.022,  
204.790

 28, 10.022,  
204.790

 18, 10.022,

204.790

■ 8, 10.022, 204.790

■ 0, 10.022, 204.790

■ 88, 10.022,  
204.790

■ 88, 10.022,  
204.790

■ 86, 16.853,  
204.537

■ 90, 2.713, 205.237

■ 85, 23.082,  
204.403

■ 92, 4.964, 25.238

■ 83, 28.582,  
204.387

■ 93, 8.929, 27.895

■ 82, 33.236,  
204.508

■ 94, 8.542, 33.343

■ 81, 36.951,

■ 94, 8.240, 39.246

■ 94, 8.033, 45.522

204.789

95, 7.927, 52.042

80, 39.673,  
205.252

95, 7.927, 58.643

79, 41.401,  
205.919

96, 8.032, 65.151

79, 42.210,  
206.805

78, 42.386,  
207.468

# Harmonies

# Complementary

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



88, 10.022, 204.790



83, 10.962, 25.672

# Rectangle

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



88, 10.022, 204.790



88, 10.022, 254.790



88, 10.022, 24.790



88, 10.022, 74.790

# Sweetspot

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



88, 10.023, 204.780



99, 3.311, 205.198



88, 19.130, 144.978



53, 2.349, 205.142



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



88, 10.023, 204.780



97, 12.821, 204.708



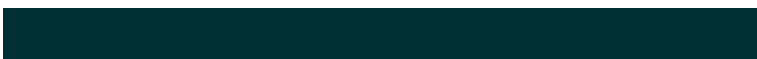
84, 10.088, 262.550



47, 4.258, 204.918



62, 35.303, 207.276



17, 14.980, 205.465



# Inverse Universe

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



83, 18.968, 326.975



90, 24.469, 327.122



86, 10.327, 78.876



45, 7.949, 326.733



42, 84.082, 330.965

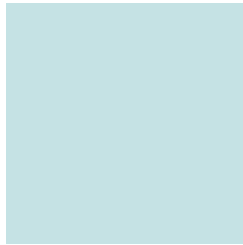


8, 35.560, 330.519



# Previews

## White Background



This preview shows how the CIE LCh color 88, 10.022, 204.790 looks on a white background.

## Color Contrast Check

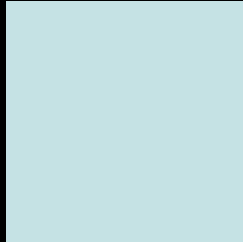
Large Text (above 18pt) WCAG AA × Fail

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 88, 10.022, 204.790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

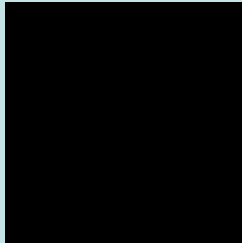
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

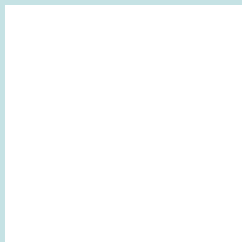
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 10.022, 204.790

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 10.022, 204.790.



This preview shows how white text looks on a background with the CIELCh color 88, 10.022, 204.790.

# 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

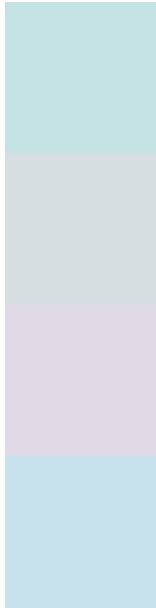






**Tritanopia**  
88, 12.215, 249.588

# Trichromacy



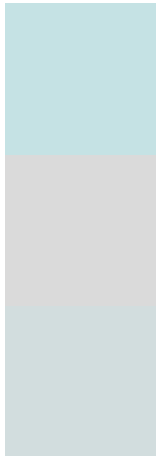
**Original Color**  
88, 10.022, 204.790

**Protanomaly**  
88, 3.483, 236.300

**Deuteranomaly**  
88, 6.547, 306.343

**Tritanomaly**  
88, 10.681, 235.001

# Monochromacy



**Original Color**  
88, 10.022, 204.790

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 3.917, 206.966

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 10.022, 204.790 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(197, 226, 228)` looks like.

```
.text, #text, p{  
    color:rgb(197, 226, 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(197, 226, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 226, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 10.022, 204.790 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(197, 226, 228) }
```

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

```
.border{ border-color:rgb(197, 226, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 226, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 226, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 226, 228); box-shadow:4px 4px 4px 4px rgb(197, 226, 228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 10.022, 204.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 226, 228) }
```

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

```
.background{ background-color: rgb(197,  
226, 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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