

# Converting Colors

CIELCh(88, 4.153, 221.494)

Have a look what the booklet for  
CIELCh(88, 4.153, 221.494) contains.

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# Color

**CIELCh(88, 4.150, 221.493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4DFE2
RGB	212, 223, 226
RGB Percent	83%, 87%, 89%
CMY	0.1697, 0.1265, 0.1148
CMYK	0.06, 0.01, 0.00, 0.11
HSL	193°, 19%, 86%
HSV	193°, 6%, 89%
XYZ	67.0808, 72.0653, 82.1320
YIQ	220.0530, -7.5190, -1.3990

# Conversions

## Conversions Part 2

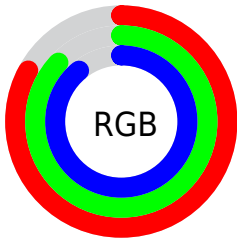
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 218, 226
Decimal	13950946
CIE Lab	88.00, -3.11, -2.75
CIE LCh	88, 4.150, 221.493
Yxy	72.0653, 0.3032, 0.3257
Android (android.graphics.Color)	4292141026 (0xFFD4DFE2)
YUV	220.0530, 2.9319, -7.0625
Hunter-Lab	84.8913, -7.5096, 2.0610

# Details

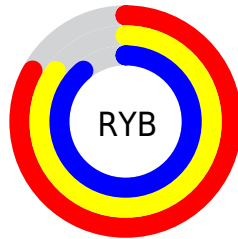
The CIELCh color `88, 4.150, 221.493` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 4.306, 40.816`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 4.352, 221.533` is the 20% darker color. If you saturate the color by 10%, you get `85, 10.566, 221.831`, and if you desaturate by 10%, it is `91, 2.593, 40.784`.

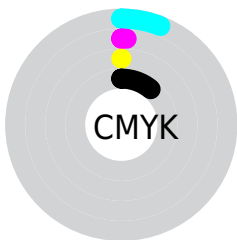
# Distribution



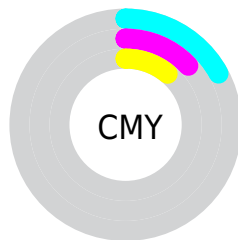
- Red (83%)
- Green (87%)
- Blue (89%)



- Red (83%)
- Yellow (85%)
- Blue (89%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (17%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 4.150, 221.493 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, 4.150, 221.493 by changing the saturation by 10% instead.



■ 88, 4.150, 221.493

■ 88, 4.150, 221.493

■ 100, 4.150,  
221.493

■ 78, 4.150, 221.493

■ 68, 4.150, 221.493

■ 58, 4.150, 221.493

■ 48, 4.150, 221.493

■ 38, 4.150, 221.493

■ 28, 4.150, 221.493

■ 18, 4.150, 221.493

■ 8, 4.150, 221.493

■ 0, 4.150, 221.493

88, 4.150, 221.493

88, 4.150, 221.493

85, 10.566,  
221.831

91, 2.593, 40.784

83, 16.564,  
222.451

94, 8.934, 42.315

80, 22.046,  
223.321

95, 8.753, 61.819

78, 26.912,  
224.494

97, 11.154, 93.954

75, 31.069,  
226.044

99, 13.229,  
103.989

73, 34.451,  
228.055

99, 14.808,  
109.058

71, 37.035,  
230.615

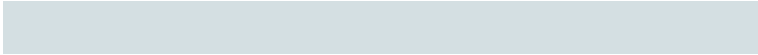
70, 38.866,  
233.804

■ 68, 40.078,  
237.658

# Harmonies

# Complementary

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



88, 4.150, 221.493



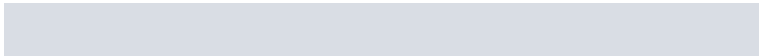
87, 4.306, 40.816

# Rectangle

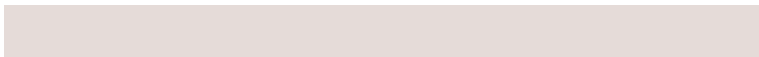
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 4.150, 221.493



88, 4.150, 271.493



88, 4.150, 41.493



88, 4.150, 91.493

# Sweetspot

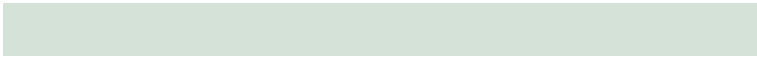
The Sweet Spot groups the original color and five complimentary colors.



88, 4.150, 221.463



99, 1.494, 221.609



88, 7.744, 150.177



53, 0.849, 221.628



0, 0.000, 0.000



53, 0.007, 296.813



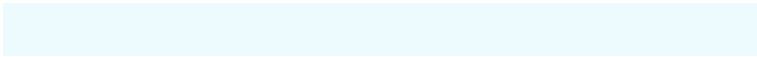


# Same Dimension

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



88, 4.150, 221.463



98, 5.162, 221.478



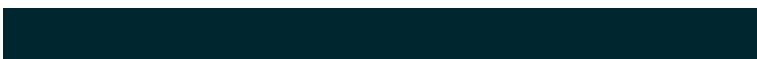
86, 5.325, 274.520



46, 3.016, 221.490



53, 33.519, 238.452



13, 13.561, 230.884



# Inverse Universe

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



86, 7.693, 331.368



96, 9.592, 331.427



88, 5.303, 92.901



45, 5.614, 331.462



40, 74.189, 338.976

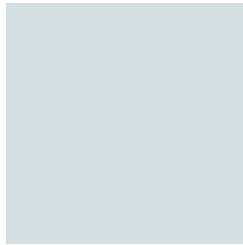


7, 31.083, 336.872



# Previews

## White Background



This preview shows how the CIELCh color 88, 4.150, 221.493 looks on a white background.

## Color Contrast Check

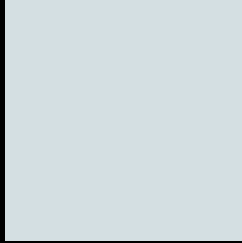
Large Text (above 18pt) WCAG AA × Fail

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, 4.150, 221.493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

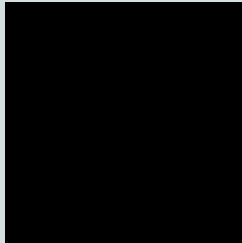
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

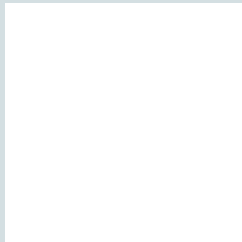
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 4.150, 221.493

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 4.150, 221.493.



This preview shows how white text looks on a background with the CIELCh color 88, 4.150, 221.493.

# 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

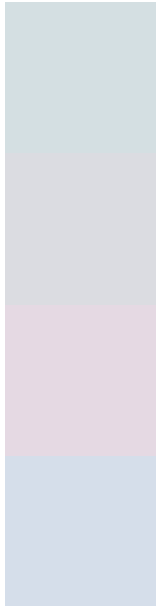






**Tritanopia**  
88, 9.153, 275.641

# Trichromacy



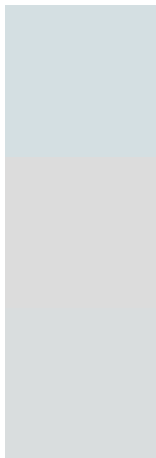
**Original Color**  
88, 4.150, 221.493

**Protanomaly**  
88, 2.638, 282.687

**Deuteranomaly**  
88, 6.799, 329.659

**Tritanomaly**  
88, 6.944, 263.989

# Monochromacy



**Original Color**  
88, 4.150, 221.493

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
88, 1.513, 219.917

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 4.150, 221.493 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(212, 223, 226)` looks like.

```
.text, #text, p{  
    color:rgb(212, 223, 226)  
}
```

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(212, 223, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 223, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 4.150, 221.493 is called "border". The border property can be set on classes, ids or directly on the HTML element.

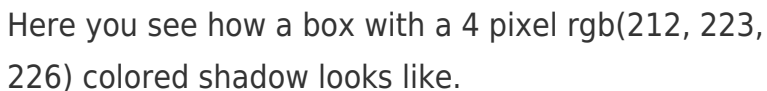
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 223, 226) }
```

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

```
.border{ border-color:rgb(212, 223, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(212, 223, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 223, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 223, 226); box-shadow:4px 4px 4px 4px rgb(212, 223, 226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 4.150, 221.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 223, 226) }
```

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

```
.background{ background-color: rgb(212,  
223, 226) }
```

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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