

Converting Colors

CIELCh(88, 7.568, 109.592)

Have a look what the booklet for
CIELCh(88, 7.568, 109.592) contains.

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Color

CIELCh(88, 7.794, 109.521)

Conversions

Conversions Part 1

Format	Color
Hex	DEDEC F
RGB	222, 222, 207
RGB Percent	87%, 87%, 81%
CMY	0.1305, 0.1305, 0.1893
CMYK	0.00, 0.00, 0.07, 0.13
HSL	60°, 18%, 84%
HSV	60°, 7%, 87%
XYZ	67.3090, 72.0653, 69.2126
YIQ	220.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

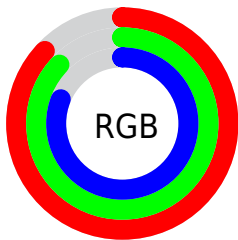
Format	Color
R_{YB}	207, 222, 207
Decimal	14606031
CIE Lab	88.00, -2.60, 7.35
CIE LCh	88, 7.794, 109.521
Yxy	72.0653, 0.3227, 0.3455
Android (android.graphics.Color)	4292796111 (0xFFDEDECF)
YUV	220.2900, -6.5520, 1.4997
Hunter-Lab	84.8913, -7.0298, 11.0842

Details

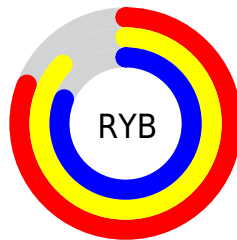
The CIELCh color **88, 7.794, 109.521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 7.929, 290.881**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 7.671, 109.381** is the 20% darker color. If you saturate the color by 10%, you get **88, 19.284, 108.567**, and if you desaturate by 10%, it is **89, 3.747, 290.516**.

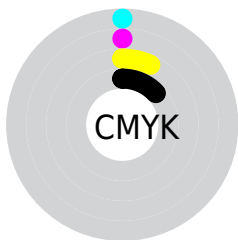
Distribution



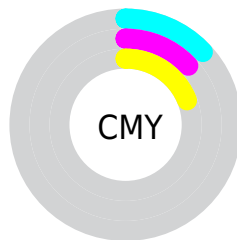
- Red (87%)
- Green (87%)
- Blue (81%)



- Red (81%)
- Yellow (87%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 7.794, 109.521 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, 7.794, 109.521 by changing the saturation by 10% instead.

■ 88, 7.794, 109.521

■ 88, 7.794, 109.521

■ 100, 7.794,
109.521

■ 78, 7.794, 109.521

■ 68, 7.794, 109.521

■ 58, 7.794, 109.521

■ 48, 7.794, 109.521

■ 38, 7.794, 109.521

■ 28, 7.794, 109.521

■ 18, 7.794, 109.521

■ 8, 7.794, 109.521

■ 0, 7.794, 109.521

88, 7.794, 109.521

88, 7.794, 109.521

88, 19.284,
108.567

89, 3.747, 290.516

87, 30.642,
107.598

89, 15.298,
291.433

87, 41.758,
106.644

89, 17.348,
291.601

86, 52.454,
105.730

89, 17.348,
291.609

86, 62.458,
104.884

89, 17.348,
291.616

86, 71.373,
104.143

89, 17.348,
291.624

86, 78.682,
103.547

89, 17.348,
291.631

86, 83.847,
103.134

89, 17.348,
291.639

■ 86, 86.594,
102.918

■ 89, 17.348,
291.647

Harmonies

Complementary

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



88, 7.794, 109.521



83, 7.929, 290.881

Rectangle

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



88, 7.794, 109.521



88, 7.794, 159.521



88, 7.794, 289.521



88, 7.794, 339.521

Sweetspot

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



88, 7.796, 109.532



100, 2.575, 109.968



84, 5.519, 19.717



53, 1.464, 109.976



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, 7.796, 109.532



100, 10.326, 109.409



87, 8.302, 128.787



46, 6.483, 109.278



69, 72.577, 102.871



18, 26.501, 104.179

Inverse Universe

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



83, 7.929, 290.881



93, 10.528, 291.019



84, 8.392, 309.353



42, 6.628, 291.168



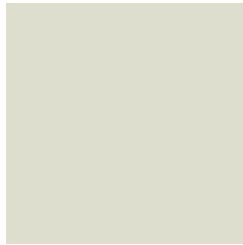
20, 100.214, 306.288



2, 29.602, 294.923

Previews

White Background



This preview shows how the CIELCh color 88, 7.794, 109.521 looks on a white background.

Color Contrast Check

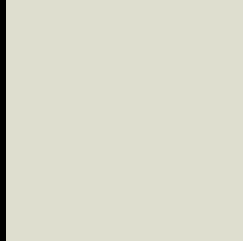
Large Text (above 18pt) WCAG AA × Fail

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, 7.794, 109.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

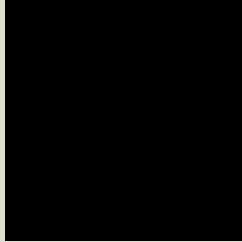
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

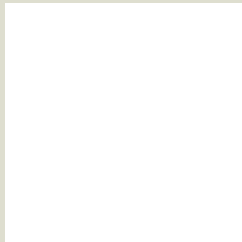
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 7.794, 109.521

Background



This preview shows how black text looks on a background with the CIELCh color 88, 7.794, 109.521.

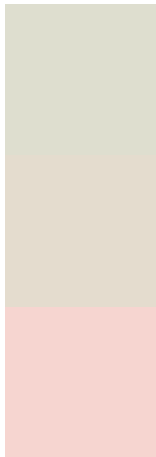


This preview shows how white text looks on a background with the CIELCh color 88, 7.794, 109.521.

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

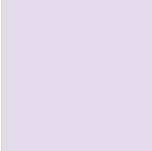
88, 7.794, 109.521

Protanopia

88, 7.844, 87.374

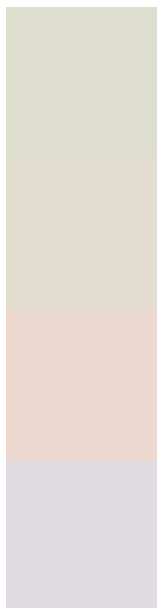
Deuteranopia

88, 12.616, 32.074



Tritanopia
88, 9.359, 308.353

Trichromacy



Original Color
88, 7.794, 109.521

Protanomaly
88, 8.000, 96.163

Deuteranomaly
88, 8.841, 47.853

Tritanomaly
88, 3.633, 319.854

Monochromacy



Original Color
88, 7.794, 109.521

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.116, 109.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 7.794, 109.521 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(222, 222, 207)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 207)  
}
```

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(222, 222, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 7.794, 109.521 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(222, 222, 207) }
```

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

```
.border{ border-color:rgb(222, 222, 207) }
```

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

Here you see how a box with a 4 pixel rgb(222, 222, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 207);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 7.794, 109.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 207) }
```

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

```
.background{ background-color: rgb(222,  
222, 207) }
```

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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