

Converting Colors

CIELCh(89, 21.158, 103.704)

Have a look what the booklet for
CIELCh(89, 21.158, 103.704)
contains.

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Color

CIELCh(89, 21.276, 103.242)

Conversions

Conversions Part 1

Format	Color
Hex	E6E1B8
RGB	230, 225, 184
RGB Percent	90%, 88%, 72%
CMY	0.0979, 0.1175, 0.2783
CMYK	0.00, 0.02, 0.20, 0.10
HSL	53°, 48%, 81%
HSV	53°, 20%, 90%
XYZ	68.2380, 74.1641, 56.0876
YIQ	221.8210, 16.1410, -11.6910

Conversions

Conversions Part 2

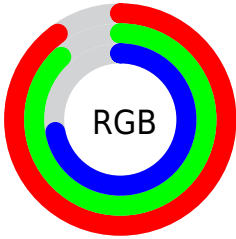
Format	Color
R _Y B	190, 230, 184
Decimal	15131064
CIE Lab	89.00, -4.87, 20.71
CIE LCh	89, 21.276, 103.242
Yxy	74.1641, 0.3438, 0.3736
Android (android.graphics.Color)	4293321144 (0xFFE6E1B8)
YUV	221.8210, -18.6458, 7.1730
Hunter-Lab	86.1186, -9.2690, 21.6684

Details

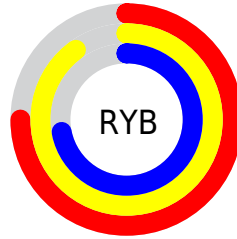
The CIELCh color **89, 21.276, 103.242** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 22.036, 287.832**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 7.593, 109.599**, and **69, 21.267, 103.576** is the 20% darker color. If you saturate the color by 10%, you get **88, 31.858, 102.155**, and if you desaturate by 10%, it is **90, 10.632, 104.321**.

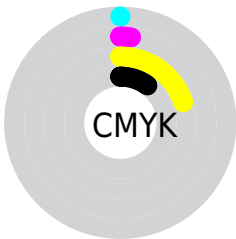
Distribution



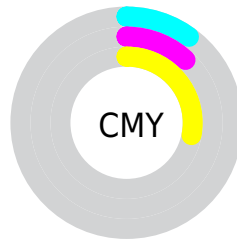
- Red (90%)
- Green (88%)
- Blue (72%)



- Red (75%)
- Yellow (90%)
- Blue (72%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (10%)




- Cyan (10%)
- Magenta (12%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 21.276, 103.242 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, 21.276, 103.242 by changing the saturation by 10% instead.


 89, 21.276,
103.242

 89, 21.276,
103.242


 100, 21.276,
103.242


 79, 21.276,
103.242

 69, 21.276,
103.242

 59, 21.276,
103.242

 49, 21.276,
103.242

 39, 21.276,
103.242

 29, 21.276,
103.242

 19, 21.276,

103.242

■ 9, 21.276, 103.242

■ 0, 21.276, 103.242

■ 89, 21.276,
103.242

■ 89, 21.276,
103.242

■ 88, 31.858,
102.155

■ 90, 10.632,
104.321

■ 87, 42.267,
101.059

■ 91, 0.015, 293.776

■ 86, 52.327, 99.974

■ 93, 10.625,
286.417

■ 85, 61.752, 98.918

■ 93, 10.409,
281.594

■ 84, 70.099, 97.908

■ 94, 9.304, 274.976

■ 84, 76.763, 96.960

■ 94, 8.353, 266.750

■ 83, 81.094, 96.074

■ 95, 7.614, 256.715

■ 82, 83.016, 95.228

■ 96, 7.149, 245.005

■ 82, 83.016, 95.228

■ 96, 7.012, 232.308

Harmonies

Complementary

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



89, 21.276, 103.242



77, 22.036, 287.832

Rectangle

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



89, 21.276, 103.242



89, 21.276, 153.242



89, 21.276, 283.242



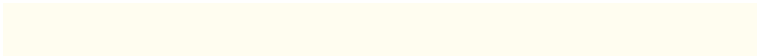
89, 21.276, 333.242

Sweetspot

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



89, 21.278, 103.248



99, 6.931, 104.734



79, 17.737, 11.680



53, 4.598, 104.666



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, 21.278, 103.248



97, 27.750, 102.797



89, 24.679, 123.868



48, 6.029, 104.378



65, 68.745, 95.365



18, 26.526, 97.279

Inverse Universe

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



77, 22.036, 287.832



82, 28.971, 288.442



78, 25.542, 305.999



44, 6.133, 286.454



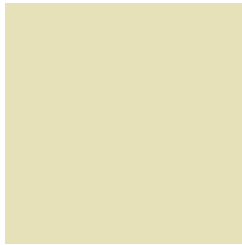
23, 96.912, 304.754



3, 31.145, 294.575

Previews

White Background



This preview shows how the CIELCh color 89, 21.276, 103.242 looks on a white background.

Color Contrast Check

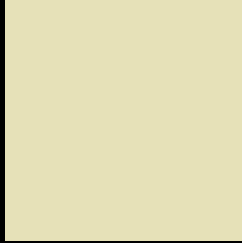
Large Text (above 18pt) WCAG AA × Fail

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 89, 21.276, 103.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

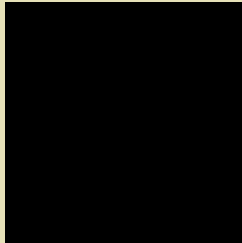
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 21.276, 103.242

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.276, 103.242.

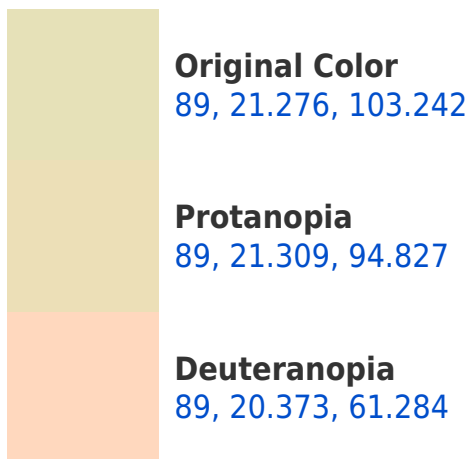


This preview shows how white text looks on a background with the CIELCh color 89, 21.276, 103.242.

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](#).

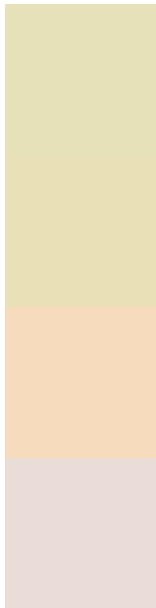
Dichromacy





Tritanopia
89, 11.186, 327.870

Trichromacy



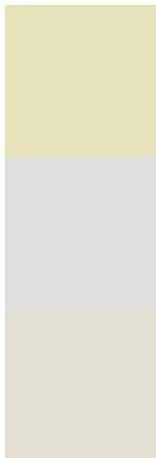
Original Color
89, 21.276, 103.242

Protanomaly
89, 21.552, 98.110

Deuteranomaly
89, 19.232, 76.022

Tritanomaly
89, 5.401, 48.276

Monochromacy



Original Color
89, 21.276, 103.242

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 7.815, 104.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.276, 103.242 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(230, 225, 184)` looks like.

```
.text, #text, p{  
    color:rgb(230, 225, 184)  
}
```

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(230, 225, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 225, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.276, 103.242 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(230, 225, 184) }
```

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

```
.border{ border-color:rgb(230, 225, 184) }
```

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

Here you see how a box with a 4 pixel rgb(230, 225, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 225, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 225, 184);  
box-shadow:4px 4px 4px 4px rgb(230, 225,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.276, 103.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 225, 184) }
```

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

```
.background{ background-color: rgb(230,  
225, 184) }
```

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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