

Converting Colors

CIELCh(88, 20.136, 103.382)

Have a look what the booklet for
CIELCh(88, 20.136, 103.382)
contains.

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Color

CIELCh(88, 20.302, 103.056)

Conversions

Conversions Part 1

Format	Color
Hex	E3DEB7
RGB	227, 222, 183
RGB Percent	89%, 87%, 72%
CMY	0.1094, 0.1290, 0.2820
CMYK	0.00, 0.02, 0.19, 0.11
HSL	53°, 44%, 80%
HSV	53°, 19%, 89%
XYZ	66.4150, 72.0653, 55.2615
YIQ	219.0490, 15.4990, -11.0690

Conversions

Conversions Part 2

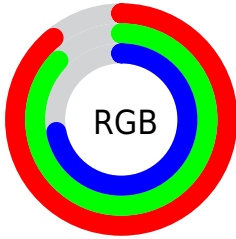
Format	Color
RYB	189, 227, 183
Decimal	14933687
CIELab	88.00, -4.59, 19.78
CIELCh	88, 20.302, 103.056
Yxy	72.0653, 0.3428, 0.3720
Android (android.graphics.Color)	4293123767 (0xFFE3DEB7)
YUV	219.0490, -17.7722, 6.9730
Hunter-Lab	84.8913, -8.9096, 20.8280

Details

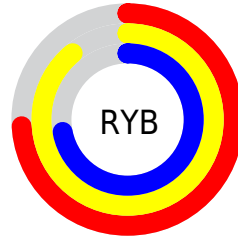
The CIELCh color **88, 20.302, 103.056** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 20.990, 287.506**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 8.099, 109.562**, and **68, 20.256, 103.429** is the 20% darker color. If you saturate the color by 10%, you get **87, 30.735, 101.965**, and if you desaturate by 10%, it is **89, 9.817, 104.137**.

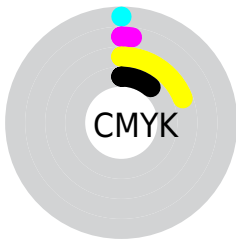
Distribution



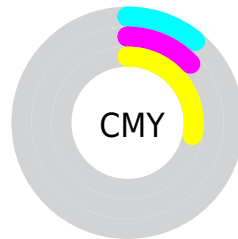
- Red (89%)
- Green (87%)
- Blue (72%)



- Red (74%)
- Yellow (89%)
- Blue (72%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (11%)





- Cyan (11%)
- Magenta (13%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 20.302, 103.056 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, 20.302, 103.056 by changing the saturation by 10% instead.


 88, 20.302,
103.056


 88, 20.302,
103.056


 100, 20.302,
103.056


 78, 20.302,
103.056

 68, 20.302,
103.056

 58, 20.302,
103.056

 48, 20.302,
103.056

 38, 20.302,
103.056

 28, 20.302,
103.056

 18, 20.302,

103.056

■ 8, 20.302, 103.056

■ 0, 20.302, 103.056

■ 88, 20.302,
103.056

■ 88, 20.302,
103.056

■ 87, 30.735,
101.965

■ 89, 9.817, 104.137

■ 86, 41.012,
100.862

■ 90, 0.663, 285.391

■ 85, 50.965, 99.768

■ 92, 11.104,
286.237

■ 84, 60.322, 98.699

■ 92, 11.780,
282.304

■ 83, 68.659, 97.673

■ 93, 10.614,
276.383

■ 82, 75.385, 96.701

■ 94, 9.587, 269.129

■ 82, 79.846, 95.786

■ 94, 8.747, 260.348

■ 81, 81.864, 94.904

■ 95, 8.149, 250.036

■ 81, 81.962, 94.850

■ 96, 7.847, 238.560

Harmonies

Complementary

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



88, 20.302, 103.056



77, 20.990, 287.506

Rectangle

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



88, 20.302, 103.056



88, 20.302, 153.056



88, 20.302, 283.056



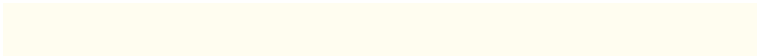
88, 20.302, 333.056

Sweetspot

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



88, 20.304, 103.062



99, 6.895, 104.486



78, 16.975, 11.606



53, 4.574, 104.418



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, 20.304, 103.062



97, 26.468, 102.650



88, 23.668, 123.902



48, 5.998, 104.128



65, 68.532, 94.988



18, 26.406, 96.950

Inverse Universe

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



77, 20.990, 287.506



83, 27.558, 288.056



77, 24.468, 305.960



44, 6.100, 286.213



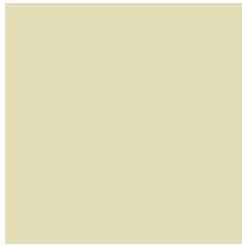
23, 96.581, 304.656



3, 31.031, 294.467

Previews

White Background



This preview shows how the CIELCh color 88, 20.302, 103.056 looks on a white background.

Color Contrast Check

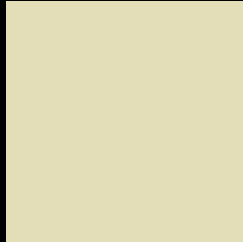
Large Text (above 18pt) WCAG AA × Fail

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 88, 20.302, 103.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

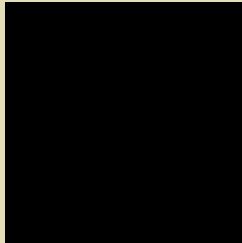
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

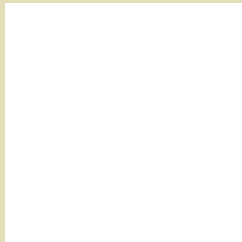
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 20.302, 103.056

Background



This preview shows how black text looks on a background with the CIELCh color 88, 20.302, 103.056.

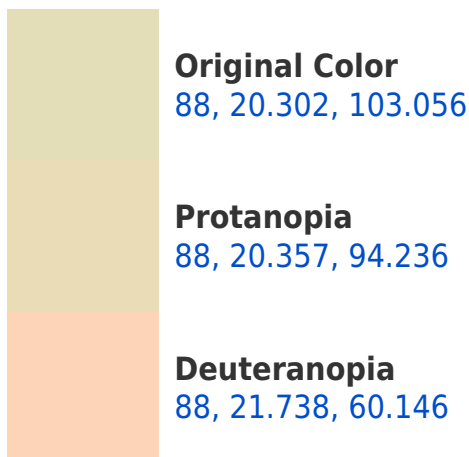


This preview shows how white text looks on a background with the CIELCh color 88, 20.302, 103.056.

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](#).

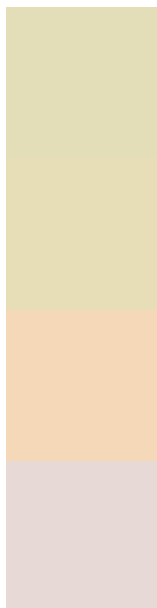
Dichromacy





Tritanopia
88, 11.214, 327.876

Trichromacy



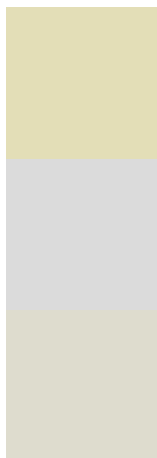
Original Color
88, 20.302, 103.056

Protanomaly
88, 20.590, 97.683

Deuteranomaly
88, 19.953, 75.775

Tritanomaly
88, 5.181, 43.263

Monochromacy



Original Color
88, 20.302, 103.056

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 7.316, 103.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 20.302, 103.056 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(227, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 183)  
}
```

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(227, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 20.302, 103.056 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(227, 222, 183) }
```

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

```
.border{ border-color:rgb(227, 222, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 222, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 20.302, 103.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 183) }
```

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

```
.background{ background-color: rgb(227,  
222, 183) }
```

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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