

Converting Colors

CIELCh(89, 23.707, 96.916)

Have a look what the booklet for
CIELCh(89, 23.707, 96.916) contains.

CIELCh(89, 23.725, 96.917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 23.725, 96.917)

Conversions

Conversions Part 1

Format	Color
Hex	ECE0B3
RGB	236, 224, 179
RGB Percent	93%, 88%, 70%
CMY	0.0758, 0.1228, 0.2992
CMYK	0.00, 0.05, 0.24, 0.08
HSL	47°, 60%, 81%
HSV	47°, 24%, 92%
XYZ	69.1641, 74.1641, 53.1575
YIQ	222.4580, 21.5970, -11.4510

Conversions

Conversions Part 2

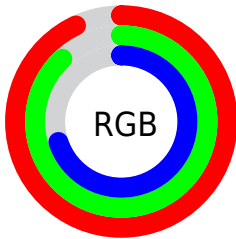
Format	Color
RYB	194, 236, 179
Decimal	15524019
CIELab	89.00, -2.86, 23.55
CIElCh	89, 23.725, 96.917
Yxy	74.1641, 0.3520, 0.3775
Android (android.graphics.Color)	4293714099 (0xFFECE0B3)
YUV	222.4580, -21.4248, 11.8763
Hunter-Lab	86.1186, -7.3494, 23.6858

Details

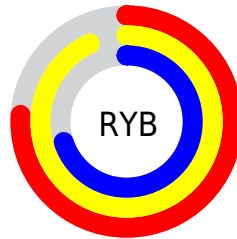
The CIELCh color **89, 23.725, 96.917** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 24.332, 283.082**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 10.124, 109.411**, and **69, 23.829, 96.703** is the 20% darker color. If you saturate the color by 10%, you get **87, 33.600, 95.695**, and if you desaturate by 10%, it is **91, 13.861, 98.118**.

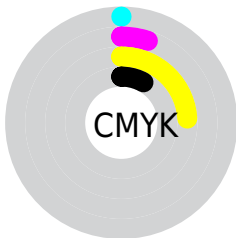
Distribution



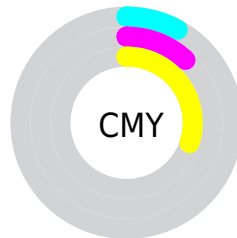
- Red (93%)
- Green (88%)
- Blue (70%)



- Red (76%)
- Yellow (93%)
- Blue (70%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (8%)



- Cyan (8%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 23.725, 96.917 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, 23.725, 96.917 by changing the saturation by 10% instead.

■ 89, 23.725, 96.917

■ 89, 23.725, 96.917

■ 100, 23.725,
96.917

■ 79, 23.725, 96.917

■ 69, 23.725, 96.917

■ 59, 23.725, 96.917

■ 49, 23.725, 96.917

■ 39, 23.725, 96.917

■ 29, 23.725, 96.917

■ 19, 23.725, 96.917

■ 9, 23.725, 96.917

■ 0, 23.725, 96.917

89, 23.725, 96.917

89, 23.725, 96.917

87, 33.600, 95.695

91, 13.861, 98.118

86, 43.380, 94.442

93, 4.058, 99.252

84, 52.884, 93.171

94, 5.652, 280.454

83, 61.798, 91.881

96, 6.425, 265.918

81, 69.617, 90.558

97, 5.459, 236.959

80, 75.622, 89.167

98, 6.125, 206.586

79, 79.064, 87.638

99, 6.622, 199.086

78, 80.035, 86.678

Harmonies

Complementary

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



89, 23.725, 96.917



78, 24.332, 283.082

Rectangle

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



89, 23.725, 96.917



89, 23.725, 146.917



89, 23.725, 276.917



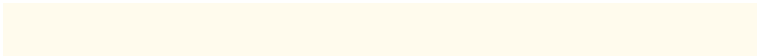
89, 23.725, 326.917

Sweetspot

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



89, 23.726, 96.923



99, 7.266, 98.942



78, 22.572, 4.560



53, 4.723, 98.874



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, 23.726, 96.923



95, 30.372, 96.319



91, 29.844, 119.727



48, 5.520, 98.666



61, 65.788, 86.991



18, 25.488, 89.598

Inverse Universe

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



78, 24.332, 283.082



80, 31.340, 283.925



76, 31.333, 302.820



46, 5.580, 280.938



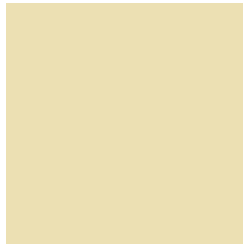
26, 89.353, 302.052



5, 30.552, 293.349

Previews

White Background



This preview shows how the CIELCh color 89, 23.725, 96.917 looks on a white background.

Color Contrast Check

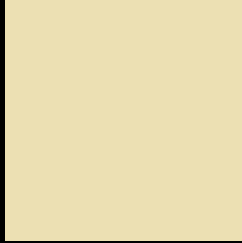
Large Text (above 18pt) WCAG AA × Fail

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 89, 23.725, 96.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

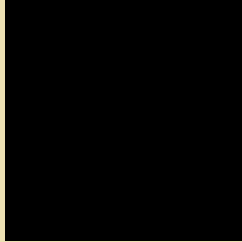
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

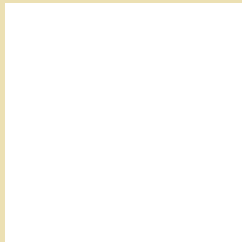
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 23.725, 96.917

Background



This preview shows how black text looks on a background with the CIELCh color 89, 23.725, 96.917.

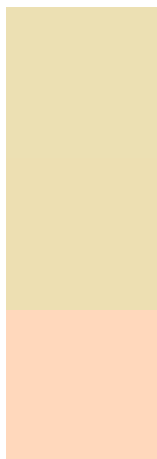


This preview shows how white text looks on a background with the CIELCh color 89, 23.725, 96.917.

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

89, 23.725, 96.917

Protanopia

89, 23.914, 95.066

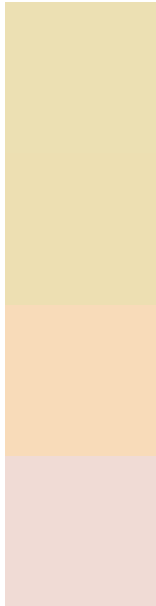
Deuteranopia

89, 21.123, 63.213



Tritanopia
89, 13.139, 338.072

Trichromacy



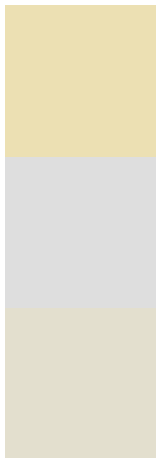
Original Color
89, 23.725, 96.917

Protanomaly
89, 23.914, 95.066

Deuteranomaly
89, 21.006, 76.303

Tritanomaly
89, 8.350, 41.688

Monochromacy



Original Color
89, 23.725, 96.917

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 8.935, 99.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 23.725, 96.917 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(236, 224, 179)` looks like.

```
.text, #text, p{  
    color:rgb(236, 224, 179)  
}
```

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(236, 224, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 224, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 23.725, 96.917 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(236, 224, 179) }
```

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

```
.border{ border-color:rgb(236, 224, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 224, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 224, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 224, 179);  
box-shadow:4px 4px 4px 4px rgb(236, 224,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 23.725, 96.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 224, 179) }
```

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

```
.background{ background-color: rgb(236,  
224, 179) }
```

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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