

Converting Colors

CIELCh(87, 22.668, 92.044)

Have a look what the booklet for
CIELCh(87, 22.668, 92.044) contains.

CIELCh(87, 22.732, 92.360)	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(87, 22.732, 92.360)

Conversions

Conversions Part 1

Format	Color
Hex	E9D9AF
RGB	233, 217, 175
RGB Percent	91%, 85%, 69%
CMY	0.0865, 0.1492, 0.3139
CMYK	0.00, 0.07, 0.25, 0.09
HSL	43°, 57%, 80%
HSV	43°, 25%, 91%
XYZ	66.1190, 70.0064, 50.5593
YIQ	216.9960, 23.0180, -9.6700

Conversions

Conversions Part 2

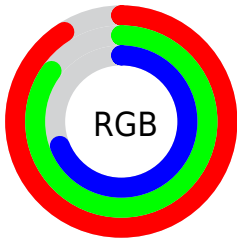
Format	Color
RYB	197, 233, 175
Decimal	15325615
CIELab	87.00, -0.94, 22.71
CIELCh	87, 22.732, 92.360
Yxy	70.0064, 0.3542, 0.3750
Android (android.graphics.Color)	4293515695 (0xFFE9D9AF)
YUV	216.9960, -20.7040, 14.0355
Hunter-Lab	83.6698, -5.3649, 22.7416

Details

The CIELCh color **87, 22.732, 92.360** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 22.976, 279.046**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **67, 22.835, 91.860** is the 20% darker color. If you saturate the color by 10%, you get **85, 32.042, 91.063**, and if you desaturate by 10%, it is **89, 13.505, 93.629**.

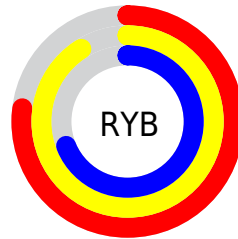
Distribution



Red (91%)

Green (85%)

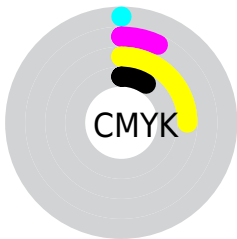
Blue (69%)



Red (77%)

Yellow (91%)

Blue (69%)

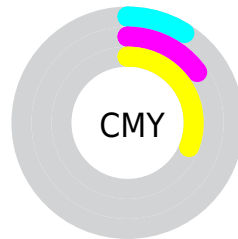


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.732, 92.360 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 87, 22.732, 92.360 by changing the saturation by 10% instead.

 87, 22.732, 92.360

 87, 22.732, 92.360

 100, 22.732,
92.360

 77, 22.732, 92.360

 67, 22.732, 92.360

 57, 22.732, 92.360

 47, 22.732, 92.360

 37, 22.732, 92.360

 27, 22.732, 92.360

 17, 22.732, 92.360

 7, 22.732, 92.360

 0, 22.732, 92.360

87, 22.732, 92.360

87, 22.732, 92.360

85, 32.042, 91.063

89, 13.505, 93.629

83, 41.350, 89.723

91, 4.399, 94.822

81, 50.498, 88.345

93, 4.570, 276.105

79, 59.198, 86.917

95, 7.097, 262.842

77, 66.961, 85.404

97, 6.236, 228.329

76, 73.047, 83.729

98, 7.539, 199.016

74, 76.630, 81.767

73, 77.662, 80.664

Harmonies

Complementary

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



87, 22.732, 92.360



77, 22.976, 279.046

Rectangle

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



87, 22.732, 92.360



87, 22.732, 142.360



87, 22.732, 272.360



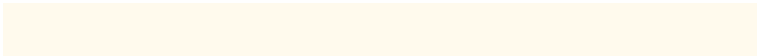
87, 22.732, 322.360

Sweetspot

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



87, 22.733, 92.366



98, 6.784, 94.579



77, 23.572, 359.787



52, 4.410, 94.508



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 22.733, 92.366



93, 29.572, 91.686



90, 30.139, 116.970



48, 5.157, 94.291



58, 64.373, 81.080



17, 24.235, 83.969

Inverse Universe

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



77, 22.976, 279.046



81, 29.976, 279.994



74, 31.808, 300.574



46, 5.185, 276.686



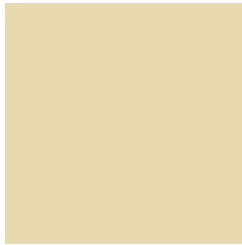
28, 82.284, 299.452



5, 28.716, 291.351

Previews

White Background



This preview shows how the CIELCh color 87, 22.732, 92.360 looks on a white background.

Color Contrast Check

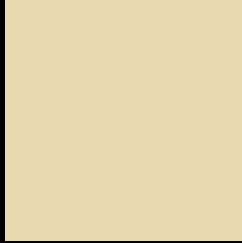
Large Text (above 18pt) WCAG AA × Fail

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 87, 22.732, 92.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

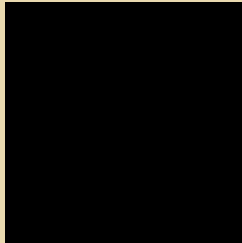
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.732, 92.360

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.732, 92.360.

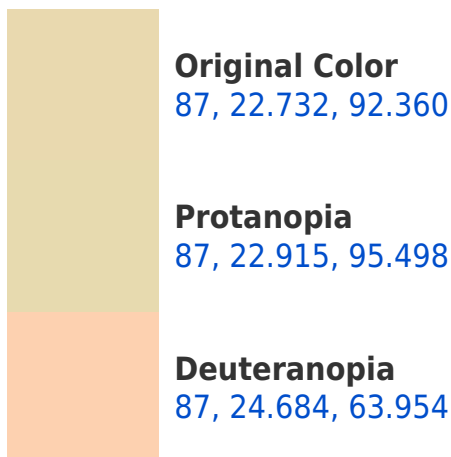


This preview shows how white text looks on a background with the CIELCh color 87, 22.732, 92.360.

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](#).

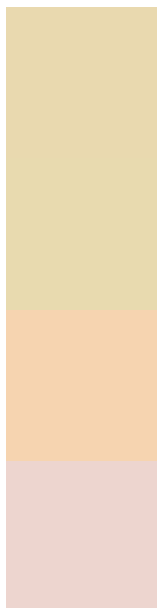
Dichromacy





Tritanopia
87, 13.423, 341.915

Trichromacy



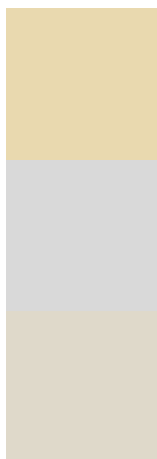
Original Color
87, 22.732, 92.360

Protanomaly
87, 23.008, 94.544

Deuteranomaly
87, 23.185, 73.332

Tritanomaly
87, 9.464, 39.193

Monochromacy



Original Color
87, 22.732, 92.360

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.120, 93.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.732, 92.360 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(233, 217, 175)` looks like.

```
.text, #text, p{  
    color:rgb(233, 217, 175)  
}
```

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(233, 217, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 217, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.732, 92.360 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(233, 217, 175) }
```

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

```
.border{ border-color:rgb(233, 217, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 217, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 217, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 217, 175);  
box-shadow:4px 4px 4px 4px rgb(233, 217,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.732, 92.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 217, 175) }
```

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

```
.background{ background-color: rgb(233,  
217, 175) }
```

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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