

Converting Colors

CIELCh(87, 22.718, 93.552)

Have a look what the booklet for
CIELCh(87, 22.718, 93.552) contains.

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Color

CIELCh(87, 22.624, 93.318)

Conversions

Conversions Part 1

Format	Color
Hex	E8D9AF
RGB	232, 217, 175
RGB Percent	91%, 85%, 69%
CMY	0.0895, 0.1483, 0.3130
CMYK	0.00, 0.06, 0.25, 0.09
HSL	44°, 56%, 80%
HSV	44°, 25%, 91%
XYZ	65.9520, 70.0064, 50.6835
YIQ	216.6970, 22.4220, -9.8820

Conversions

Conversions Part 2

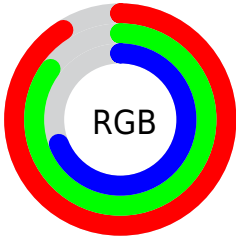
Format	Color
RYB	195, 232, 175
Decimal	15260079
CIELab	87.00, -1.31, 22.59
CIELCh	87, 22.624, 93.318
Yxy	70.0064, 0.3534, 0.3751
Android (android.graphics.Color)	4293450159 (0xFFE8D9AF)
YUV	216.6970, -20.5566, 13.4207
Hunter-Lab	83.6698, -5.7212, 22.6536

Details

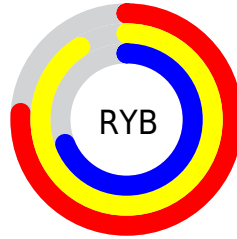
The CIELCh color **87, 22.624, 93.318** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 22.936, 279.841**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **67, 22.717, 92.883** is the 20% darker color. If you saturate the color by 10%, you get **85, 31.994, 92.035**, and if you desaturate by 10%, it is **89, 13.324, 94.573**.

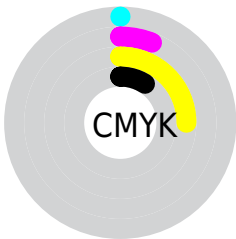
Distribution



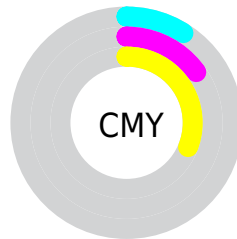
- Red (91%)
- Green (85%)
- Blue (69%)



- Red (76%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (25%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.624, 93.318 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, 22.624, 93.318 by changing the saturation by 10% instead.

 87, 22.624, 93.318

 87, 22.624, 93.318

 100, 22.624,
93.318

 77, 22.624, 93.318

 67, 22.624, 93.318

 57, 22.624, 93.318

 47, 22.624, 93.318

 37, 22.624, 93.318

 27, 22.624, 93.318

 17, 22.624, 93.318

 7, 22.624, 93.318

 0, 22.624, 93.318

87, 22.624, 93.318

87, 22.624, 93.318

85, 31.994, 92.035

89, 13.324, 94.573

83, 41.346, 90.712

91, 4.133, 95.752

81, 50.520, 89.354

93, 4.931, 277.019

80, 59.228, 87.952

95, 7.534, 265.417

78, 66.985, 86.475

97, 6.421, 234.721

76, 73.064, 84.857

98, 7.408, 203.638

75, 76.654, 82.985

98, 7.794, 198.997

74, 77.715, 81.861

Harmonies

Complementary

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



87, 22.624, 93.318



77, 22.936, 279.841

Rectangle

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



87, 22.624, 93.318



87, 22.624, 143.318



87, 22.624, 273.318



87, 22.624, 323.318

Sweetspot

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



87, 22.625, 93.324



98, 6.874, 95.473



77, 23.028, 0.937



52, 4.469, 95.403



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, 22.625, 93.324



94, 28.905, 92.736



90, 29.715, 117.678



48, 5.225, 95.187



59, 64.584, 82.250



17, 24.459, 85.111

Inverse Universe

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



77, 22.936, 279.841



81, 29.395, 280.655



74, 31.308, 301.119



46, 5.259, 277.559



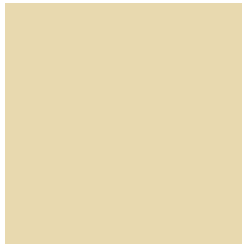
28, 83.719, 300.012



5, 29.095, 291.788

Previews

White Background



This preview shows how the CIELCh color 87, 22.624, 93.318 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, 22.624, 93.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

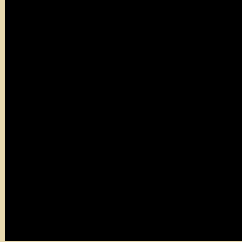
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.624, 93.318

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.624, 93.318.

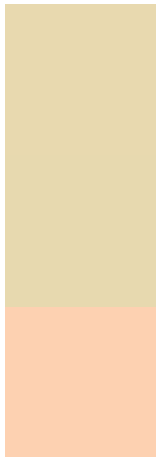


This preview shows how white text looks on a background with the CIELCh color 87, 22.624, 93.318.

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


87, 22.624, 93.318

Protanopia

87, 22.524, 94.283

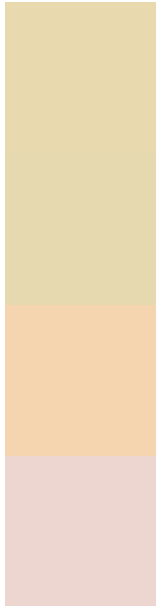
Deuteranopia

87, 24.295, 63.170



Tritanopia
87, 13.745, 340.199

Trichromacy



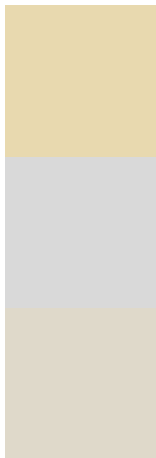
Original Color
87, 22.624, 93.318

Protanomaly
87, 22.524, 94.283

Deuteranomaly
87, 22.949, 74.133

Tritanomaly
87, 9.289, 36.207

Monochromacy



Original Color
87, 22.624, 93.318

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, 22.624, 93.318 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(232, 217, 175)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 217, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 217, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.624, 93.318 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(232, 217, 175) }
```

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

```
.border{ border-color:rgb(232, 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(232, 217, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 217, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 217, 175);  
box-shadow:4px 4px 4px 4px rgb(232, 217,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.624, 93.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 217, 175) }
```

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

```
.background{ background-color: rgb(232,  
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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