

Converting Colors

CIELCh(87, 24.888, 94.681)

Have a look what the booklet for
CIELCh(87, 24.888, 94.681) contains.

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Color

CIELCh(87, 24.635, 94.307)

Conversions

Conversions Part 1

Format	Color
Hex	E8D9AB
RGB	232, 217, 171
RGB Percent	91%, 85%, 67%
CMY	0.0886, 0.1475, 0.3279
CMYK	0.00, 0.06, 0.26, 0.09
HSL	45°, 57%, 79%
HSV	45°, 26%, 91%
XYZ	65.7106, 70.0064, 48.7665
YIQ	216.2410, 23.7060, -11.1260

Conversions

Conversions Part 2

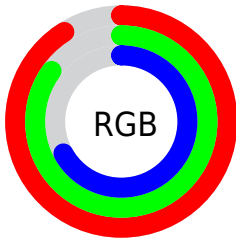
Format	Color
RYB	191, 232, 171
Decimal	15260075
CIELab	87.00, -1.85, 24.57
CIELCh	87, 24.635, 94.307
Yxy	70.0064, 0.3562, 0.3795
Android (android.graphics.Color)	4293450155 (0xFFE8D9AB)
YUV	216.2410, -22.3038, 13.8206
Hunter-Lab	83.6698, -6.2362, 24.0120

Details

The CIELCh color **87, 24.635, 94.307** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 25.114, 281.254**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **67, 24.825, 93.849** is the 20% darker color. If you saturate the color by 10%, you get **85, 34.134, 93.037**, and if you desaturate by 10%, it is **89, 15.174, 95.553**.

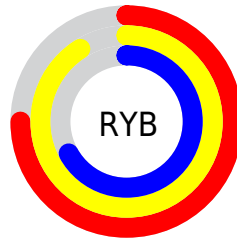
Distribution



Red (91%)

Green (85%)

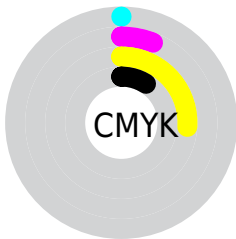
Blue (67%)



Red (75%)

Yellow (91%)

Blue (67%)

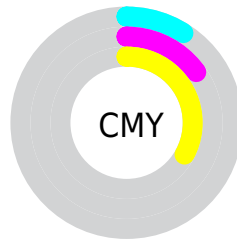


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.635, 94.307 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, 24.635, 94.307 by changing the saturation by 10% instead.

■ 87, 24.635, 94.307

■ 87, 24.635, 94.307

■ 100, 24.635,
94.307

■ 77, 24.635, 94.307

■ 67, 24.635, 94.307

■ 57, 24.635, 94.307

■ 47, 24.635, 94.307

■ 37, 24.635, 94.307

■ 27, 24.635, 94.307

■ 17, 24.635, 94.307

■ 7, 24.635, 94.307

■ 0, 24.635, 94.307

87, 24.635, 94.307

87, 24.635, 94.307

85, 34.134, 93.037

89, 15.174, 95.553

83, 43.566, 91.730

91, 5.799, 96.737

82, 52.746, 90.393

93, 3.462, 277.996

80, 61.349, 89.017

95, 7.992, 271.183

78, 68.841, 87.572

96, 6.481, 244.917

77, 74.466, 85.996

98, 6.768, 213.616

75, 77.477, 84.182

98, 7.721, 199.003

75, 78.165, 83.461

Harmonies

Complementary

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



87, 24.635, 94.307



76, 25.114, 281.254

Rectangle

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



87, 24.635, 94.307



87, 24.635, 144.307



87, 24.635, 274.307



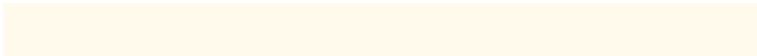
87, 24.635, 324.307

Sweetspot

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



87, 24.636, 94.313



98, 8.006, 96.533



76, 24.584, 2.375



52, 5.696, 96.357



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, 24.636, 94.313



93, 32.444, 93.563



90, 31.850, 118.250



48, 5.319, 96.366



60, 64.919, 83.822



17, 24.779, 86.623

Inverse Universe

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



76, 25.114, 281.254



79, 33.260, 282.326



73, 33.663, 301.843



46, 5.362, 278.706



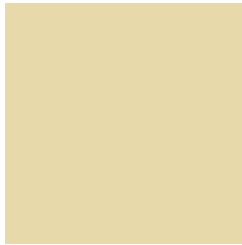
27, 85.623, 300.729



5, 29.592, 292.340

Previews

White Background



This preview shows how the CIELCh color 87, 24.635, 94.307 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, 24.635, 94.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

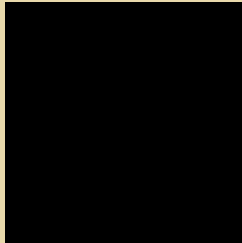
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 24.635, 94.307

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.635, 94.307.

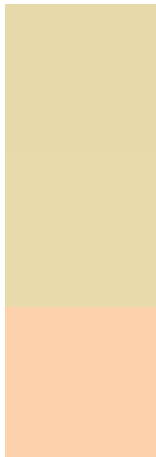


This preview shows how white text looks on a background with the CIELCh color 87, 24.635, 94.307.

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, 24.635, 94.307

Protanopia

87, 25.024, 95.418

Deuteranopia

87, 26.162, 65.521



Tritanopia
87, 13.423, 341.915

Trichromacy



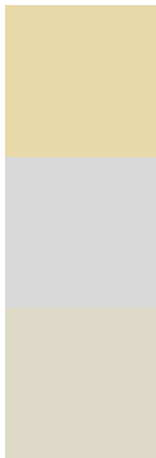
Original Color
87, 24.635, 94.307

Protanomaly
87, 25.024, 95.418

Deuteranomaly
87, 24.961, 75.771

Tritanomaly
87, 9.665, 42.060

Monochromacy



Original Color
87, 24.635, 94.307

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 9.130, 95.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.635, 94.307 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(232, 217, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 217, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.635, 94.307 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, 171) }
```

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

```
.border{ border-color:rgb(232, 217, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 217, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 217, 171);  
box-shadow:4px 4px 4px 4px rgb(232, 217,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.635, 94.307 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, 171) }
```

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

```
.background{ background-color: rgb(232,  
217, 171) }
```

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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