

Converting Colors

CIELCh(87, 26.995, 96.027)

Have a look what the booklet for
CIELCh(87, 26.995, 96.027) contains.

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Color

CIELCh(87, 27.042, 96.135)

Conversions

Conversions Part 1

Format	Color
Hex	E8DAA7
RGB	232, 218, 167
RGB Percent	91%, 85%, 65%
CMY	0.0907, 0.1455, 0.3455
CMYK	0.00, 0.06, 0.28, 0.09
HSL	47°, 58%, 78%
HSV	47°, 28%, 91%
XYZ	65.2480, 70.0064, 46.5803
YIQ	216.3720, 24.7150, -12.8930

Conversions

Conversions Part 2

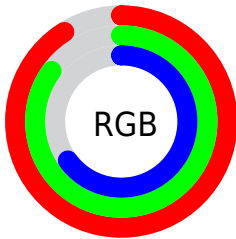
Format	Color
RYB	185, 232, 167
Decimal	15260327
CIELab	87.00, -2.89, 26.89
CIELCh	87, 27.042, 96.135
Yxy	70.0064, 0.3588, 0.3850
Android (android.graphics.Color)	4293450407 (0xFFE8DAA7)
YUV	216.3720, -24.3404, 13.7058
Hunter-Lab	83.6698, -7.2230, 25.5612

Details

The CIELCh color $87, 27.042, 96.135$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $74, 27.831, 283.440$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 16.691, 108.916$, and $67, 26.806, 95.538$ is the 20% darker color. If you saturate the color by 10%, you get $85, 36.733, 94.897$, and if you desaturate by 10%, it is $89, 17.336, 97.354$.

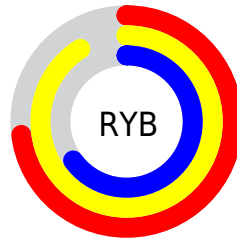
Distribution



Red (91%)

Green (85%)

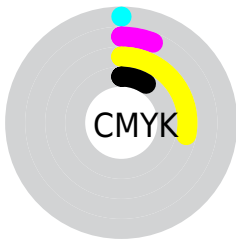
Blue (65%)



Red (73%)

Yellow (91%)

Blue (65%)

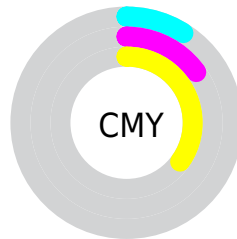


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 27.042, 96.135 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, 27.042, 96.135 by changing the saturation by 10% instead.

 87, 27.042, 96.135

 87, 27.042, 96.135

 100, 27.042,
96.135

 77, 27.042, 96.135

 67, 27.042, 96.135

 57, 27.042, 96.135

 47, 27.042, 96.135

 37, 27.042, 96.135

 27, 27.042, 96.135

 17, 27.042, 96.135

 7, 27.042, 96.135

 0, 27.042, 96.135

87, 27.042, 96.135

87, 27.042, 96.135

85, 36.733, 94.897

89, 17.336, 97.354

84, 46.281, 93.630

90, 7.680, 98.524

82, 55.467, 92.344

92, 1.891, 279.790

81, 63.921, 91.033

94, 9.022, 277.818

79, 71.061, 89.674

95, 7.209, 259.392

78, 76.127, 88.218

97, 6.502, 233.552

77, 78.568, 86.587

98, 7.217, 207.870

76, 78.907, 86.256

98, 7.894, 198.990

Harmonies

Complementary

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



87, 27.042, 96.135



74, 27.831, 283.440

Rectangle

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



87, 27.042, 96.135



87, 27.042, 146.135



87, 27.042, 276.135



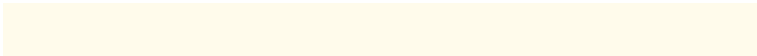
87, 27.042, 326.135

Sweetspot

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



87, 27.043, 96.140



98, 8.267, 98.523



75, 26.035, 5.083



52, 5.881, 98.350



0, 0.000, 0.000



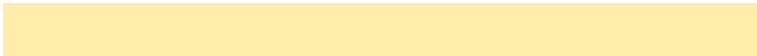
53, 0.007, 296.813

Same Dimension

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



87, 27.043, 96.140



94, 35.470, 95.379



89, 34.080, 119.495



47, 5.393, 98.362



60, 64.973, 86.580



17, 24.114, 89.366

Inverse Universe

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



74, 27.831, 283.440



77, 36.804, 284.566



72, 36.090, 303.130



45, 5.450, 280.638



26, 87.845, 301.853



4, 28.699, 292.028

Previews

White Background



This preview shows how the CIELCh color 87, 27.042, 96.135 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, 27.042, 96.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

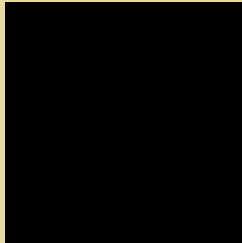
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

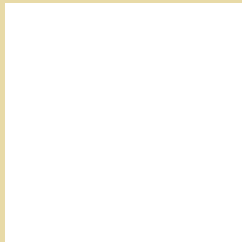
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 27.042, 96.135

Background



This preview shows how black text looks on a background with the CIELCh color 87, 27.042, 96.135.

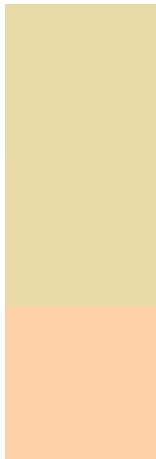


This preview shows how white text looks on a background with the CIELCh color 87, 27.042, 96.135.

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, 27.042, 96.135

Protanopia

87, 27.129, 95.314

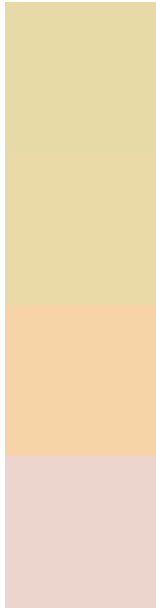
Deuteranopia

87, 28.072, 67.523



Tritanopia
87, 13.423, 341.915

Trichromacy



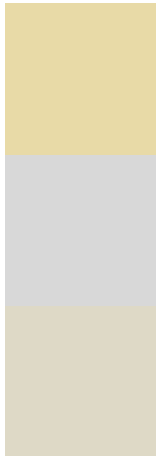
Original Color
87, 27.042, 96.135

Protanomaly
87, 27.129, 95.314

Deuteranomaly
87, 26.993, 77.127

Tritanomaly
87, 9.545, 45.743

Monochromacy



Original Color
87, 27.042, 96.135

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 10.073, 98.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 27.042, 96.135 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, 218, 167)` looks like.

```
.text, #text, p{  
    color:rgb(232, 218, 167)  
}
```

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, 218, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 218, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 27.042, 96.135 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, 218, 167) }
```

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

```
.border{ border-color:rgb(232, 218, 167) }
```

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

Here you see how a box with a 4 pixel rgb(232, 218, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 218, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 218, 167);  
box-shadow:4px 4px 4px 4px rgb(232, 218,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 27.042, 96.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 218, 167) }
```

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

```
.background{ background-color: rgb(232,  
218, 167) }
```

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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