

Converting Colors

CIELCh(87, 36.849, 107.055)

Have a look what the booklet for
CIELCh(87, 36.849, 107.055)
contains.

CIELCh(87, 37.020, 107.040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 37.020, 107.040)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE96
RGB	222, 222, 150
RGB Percent	87%, 87%, 59%
CMY	0.1292, 0.1292, 0.4116
CMYK	0.00, 0.00, 0.32, 0.13
HSL	60°, 52%, 73%
HSV	60°, 32%, 87%
XYZ	61.7795, 70.0064, 39.1282
YIQ	213.7920, 23.1120, -22.3920

Conversions

Conversions Part 2

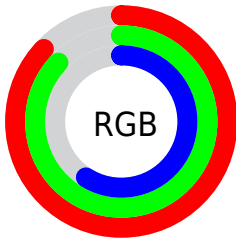
Format	Color
RYB	150, 222, 150
Decimal	14605974
CIELab	87.00, -10.85, 35.39
CIELCh	87, 37.020, 107.040
Yxy	70.0064, 0.3615, 0.4096
Android (android.graphics.Color)	4292796054 (0xFFDEDE96)
YUV	213.7920, -31.4495, 7.1984
Hunter-Lab	83.6698, -14.6226, 30.8419

Details

The CIELCh color $87, 37.020, 107.040$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $65, 40.114, 294.273$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 25.235, 108.263$, and $67, 37.115, 106.942$ is the 20% darker color. If you saturate the color by 10%, you get $87, 47.940, 106.108$, and if you desaturate by 10%, it is $87, 25.769, 108.007$.

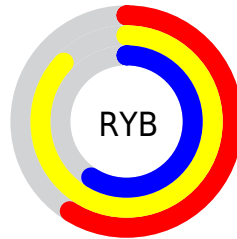
Distribution



Red (87%)

Green (87%)

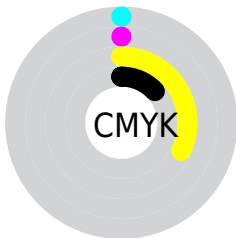
Blue (59%)



Red (59%)

Yellow (87%)

Blue (59%)

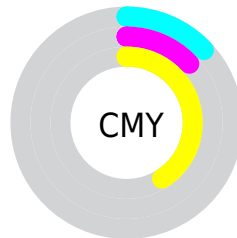


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.020, 107.040 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, 37.020, 107.040 by changing the saturation by 10% instead.


 87, 37.020,
107.040

 87, 37.020,
107.040


 100, 37.020,
107.040


 77, 37.020,
107.040

 67, 37.020,
107.040

 57, 37.020,
107.040

 47, 37.020,
107.040

 37, 37.020,
107.040

 27, 37.020,
107.040

 17, 37.020,

107.040

■ 7, 37.020, 107.040

■ 0, 37.020, 107.040

■ 87, 37.020,
107.040

■ 87, 37.020,
107.040

■ 87, 47.940,
106.108

■ 87, 25.769,
108.007

■ 86, 58.297,
105.229

■ 88, 14.330,
108.978

■ 86, 67.752,
104.437

■ 88, 2.797, 109.924

■ 86, 75.836,
103.772

■ 89, 8.769, 290.904

■ 89, 17.170,
291.571

■ 86, 81.995,

103.276

■ 89, 17.170,
291.573

■ 86, 85.788,
102.975

■ 89, 17.170,
291.575

■ 86, 87.292,
102.857

■ 89, 17.170,
291.577

■ 89, 17.170,
291.579

Harmonies

Complementary

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



87, 37.020, 107.040



65, 40.114, 294.273

Rectangle

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



87, 37.020, 107.040



87, 37.020, 157.040



87, 37.020, 287.040



87, 37.020, 337.040

Sweetspot

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



87, 37.022, 107.043



99, 12.905, 109.205



69, 29.257, 22.228



53, 8.802, 109.069



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, 37.022, 107.043



98, 49.485, 106.396



84, 39.787, 127.551



47, 6.607, 109.266



70, 73.366, 102.856



19, 27.934, 103.889

Inverse Universe

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



65, 40.114, 294.273



68, 54.780, 295.448



68, 41.653, 310.664



43, 6.754, 291.162



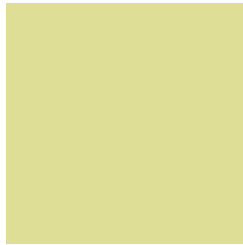
21, 101.305, 306.287



2, 31.634, 295.831

Previews

White Background



This preview shows how the CIELCh color 87, 37.020, 107.040 looks on a white background.

Color Contrast Check

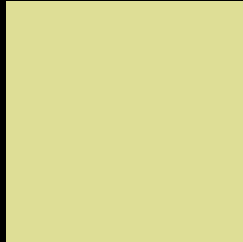
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 37.020, 107.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

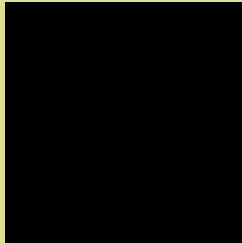
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 37.020, 107.040

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.020, 107.040.



This preview shows how white text looks on a background with the CIELCh color 87, 37.020, 107.040.

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](#).

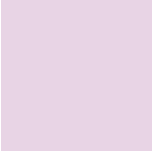
Dichromacy



Original Color
87, 37.020, 107.040

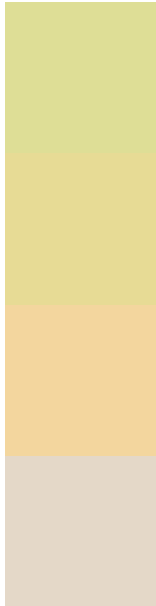
Protanopia
87, 36.894, 95.688

Deuteranopia
87, 31.184, 72.469



Tritanopia
87, 11.462, 329.330

Trichromacy



Original Color
87, 37.020, 107.040

Protanomaly
87, 36.435, 99.462

Deuteranomaly
87, 31.466, 85.904

Tritanomaly
87, 9.464, 81.138

Monochromacy



Original Color
87, 37.020, 107.040

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 13.560, 109.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.020, 107.040 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(222, 222, 150)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 150)  
}
```

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(222, 222, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.020, 107.040 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(222, 222, 150) }
```

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

```
.border{ border-color:rgb(222, 222, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 150);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.020, 107.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 150) }
```

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

```
.background{ background-color: rgb(222,  
222, 150) }
```

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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