

Converting Colors

CIELCh(87, 11.687, 109.971)

Have a look what the booklet for
CIELCh(87, 11.687, 109.971)
contains.

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Color

CIELCh(87, 11.458, 109.206)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBC5
RGB	219, 219, 197
RGB Percent	86%, 86%, 77%
CMY	0.1398, 0.1398, 0.2261
CMYK	0.00, 0.00, 0.10, 0.14
HSL	60°, 24%, 82%
HSV	60°, 10%, 86%
XYZ	64.8586, 70.0064, 63.1237
YIQ	216.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

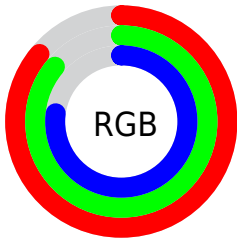
Format	Color
RYB	197, 219, 197
Decimal	14408645
CIELab	87.00, -3.77, 10.82
CIELCh	87, 11.458, 109.206
Yxy	70.0064, 0.3276, 0.3536
Android (android.graphics.Color)	4292598725 (0xFFDBDBC5)
YUV	216.4920, -9.6096, 2.1995
Hunter-Lab	83.6698, -8.0539, 13.8383

Details

The CIELCh color **87, 11.458, 109.206** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80, 11.730, 291.230**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.496, 109.985**, and **67, 11.537, 108.964** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.816, 108.245**, and if you desaturate by 10%, it is **88, 0.028, 107.758**.

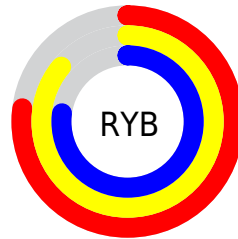
Distribution



Red (86%)

Green (86%)

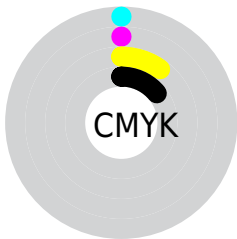
Blue (77%)



Red (77%)

Yellow (86%)

Blue (77%)

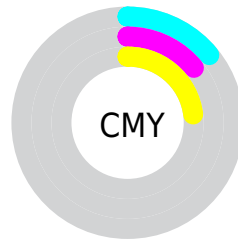


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (14%)



Cyan (14%)


Magenta (14%)


Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 11.458, 109.206 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, 11.458, 109.206 by changing the saturation by 10% instead.


 87, 11.458,
109.206


 87, 11.458,
109.206


 100, 11.458,
109.206


 77, 11.458,
109.206


 67, 11.458,
109.206

 57, 11.458,
109.206

 47, 11.458,
109.206

 37, 11.458,
109.206

 27, 11.458,
109.206

 17, 11.458,

109.206

■ 7, 11.458, 109.206

■ 0, 11.458, 109.206

■ 87, 11.458,
109.206

■ 87, 11.458,
109.206

■ 87, 22.816,
108.245

■ 88, 0.028, 107.758

■ 86, 34.013,
107.279

■ 88, 11.424,
291.128

■ 86, 44.920,
106.336

■ 89, 18.615,
291.703

■ 86, 55.336,
105.440

■ 89, 18.615,
291.706

■ 85, 64.954,

■ 89, 18.615,
291.710

104.624

89, 18.615,
291.714

85, 73.339,
103.926

89, 18.615,
291.718

85, 79.953,
103.385

89, 18.615,
291.722

85, 84.307,
103.036

89, 18.615,
291.726

85, 86.494,
102.863

Harmonies

Complementary

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



87, 11.458, 109.206



80, 11.730, 291.230

Rectangle

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



87, 11.458, 109.206



87, 11.458, 159.206



87, 11.458, 289.206



87, 11.458, 339.206

Sweetspot

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



87, 11.460, 109.214



100, 3.868, 109.876



81, 8.221, 19.979



53, 2.934, 109.803



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, 11.460, 109.214



99, 15.481, 109.015



86, 12.218, 128.634



46, 6.483, 109.272



69, 72.577, 102.863



18, 26.501, 104.171

Inverse Universe

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



80, 11.730, 291.230



90, 15.916, 291.466



81, 12.395, 309.509



42, 6.628, 291.163



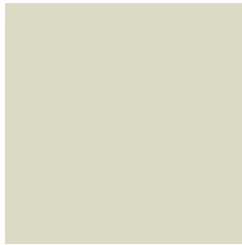
20, 100.215, 306.288



2, 29.602, 294.920

Previews

White Background



This preview shows how the CIELCh color 87, 11.458, 109.206 looks on a white background.

Color Contrast Check

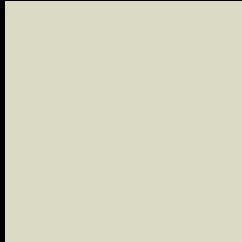
Large Text (above 18pt) WCAG AA × Fail

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, 11.458, 109.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

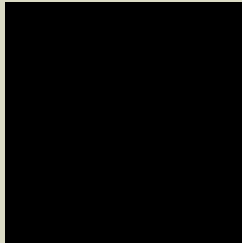
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

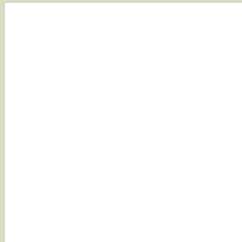
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 11.458, 109.206

Background



This preview shows how black text looks on a background with the CIELCh color 87, 11.458, 109.206.



This preview shows how white text looks on a background with the CIELCh color 87, 11.458, 109.206.

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](#).

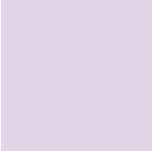
Dichromacy



Original Color
87, 11.458, 109.206

Protanopia
87, 11.564, 90.250

Deuteranopia
87, 14.860, 42.857



Tritanopia
87, 9.631, 312.382

Trichromacy



Original Color
87, 11.458, 109.206

Protanomaly
87, 11.670, 98.074

Deuteranomaly
87, 11.709, 61.602

Tritanomaly
87, 2.691, 343.708

Monochromacy



Original Color
87, 11.458, 109.206

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.169, 109.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 11.458, 109.206 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(219, 219, 197)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 197)  
}
```

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(219, 219, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 11.458, 109.206 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(219, 219, 197) }
```

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

```
.border{ border-color:rgb(219, 219, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 219, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 219, 197); box-shadow:4px 4px 4px 4px rgb(219, 219, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 11.458, 109.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 197) }
```

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

```
.background{ background-color: rgb(219,  
219, 197) }
```

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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