

Converting Colors

CIELCh(87, 6.629, 90.081)

Have a look what the booklet for
CIELCh(87, 6.629, 90.081) contains.

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Color

CIELCh(87, 6.624, 90.086)

Conversions

Conversions Part 1

Format	Color
Hex	DFD9CD
RGB	223, 217, 205
RGB Percent	87%, 85%, 80%
CMY	0.1239, 0.1475, 0.1945
CMYK	0.00, 0.03, 0.08, 0.12
HSL	40°, 22%, 84%
HSV	40°, 8%, 88%
XYZ	66.5345, 70.0064, 68.0096
YIQ	217.4260, 7.4280, -2.4600

Conversions

Conversions Part 2

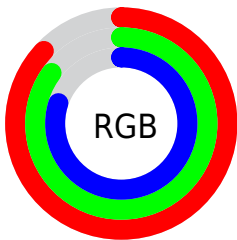
Format	Color
RYB	214, 223, 205
Decimal	14670285
CIELab	87.00, -0.01, 6.62
CIELCh	87, 6.624, 90.086
Yxy	70.0064, 0.3253, 0.3422
Android (android.graphics.Color)	4292860365 (0xFFDFD9CD)
YUV	217.4260, -6.1260, 4.8884
Hunter-Lab	83.6698, -4.4784, 10.3760

Details

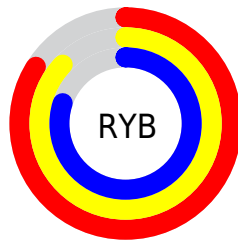
The CIELCh color **87, 6.624, 90.086** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 6.629, 272.226**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 6.485, 88.247** is the 20% darker color. If you saturate the color by 10%, you get **85, 15.016, 88.846**, and if you desaturate by 10%, it is **89, 1.589, 271.544**.

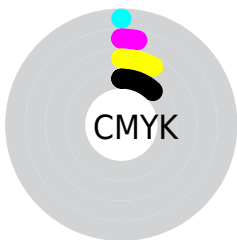
Distribution



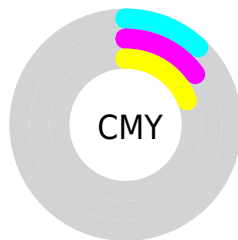
- Red (87%)
- Green (85%)
- Blue (80%)



- Red (84%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (12%)

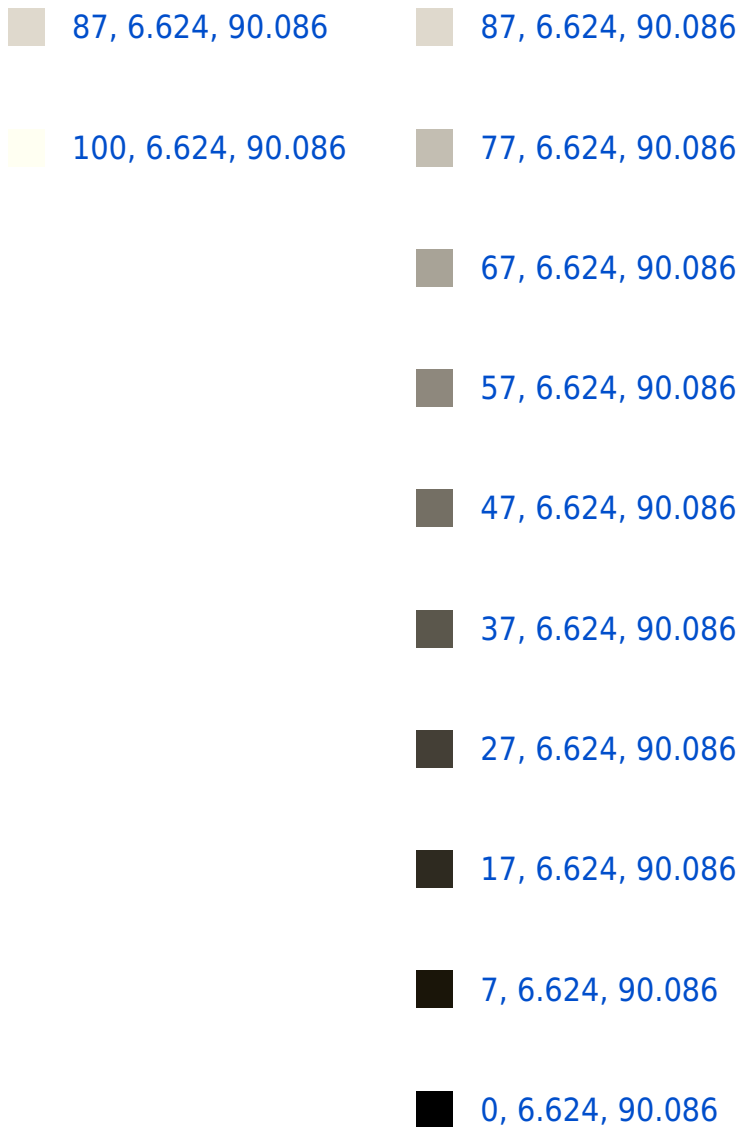


- Cyan (12%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 6.624, 90.086 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, 6.624, 90.086 by changing the saturation by 10% instead.



87, 6.624, 90.086

87, 6.624, 90.086

85, 15.016, 88.846

89, 1.589, 271.544

82, 23.574, 87.529

92, 9.630, 272.591

80, 32.266, 86.170

94, 9.503, 255.293

78, 41.017, 84.768

96, 8.903, 225.910

76, 49.670, 83.315

98, 10.561,
199.895

74, 57.928, 81.781

98, 10.697,
198.792

72, 65.274, 80.102

70, 70.919, 78.148

68, 74.150, 75.754

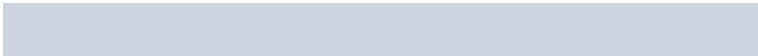
Harmonies

Complementary

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



87, 6.624, 90.086



85, 6.629, 272.226

Rectangle

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



87, 6.624, 90.086



87, 6.624, 140.086



87, 6.624, 270.086



87, 6.624, 320.086

Sweetspot

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



87, 6.625, 90.105



99, 1.810, 90.737



84, 7.320, 354.378



53, 1.029, 90.740



0, 0.000, 0.000



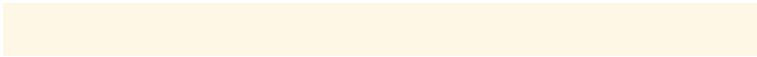
53, 0.007, 296.813

Same Dimension

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



87, 6.625, 90.105



97, 9.173, 89.858



88, 9.424, 116.127



46, 4.692, 89.936



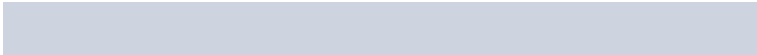
54, 62.489, 75.775



14, 20.809, 78.586

Inverse Universe

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



85, 6.629, 272.226



94, 9.168, 272.499



83, 9.601, 297.312



44, 4.691, 272.413



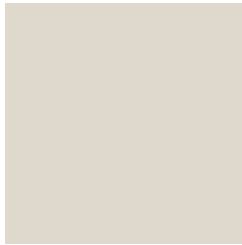
30, 73.802, 296.482



5, 24.068, 286.580

Previews

White Background



This preview shows how the CIELCh color 87, 6.624, 90.086 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, 6.624, 90.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

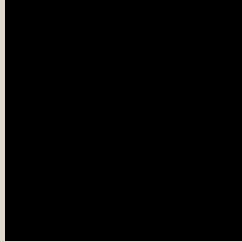
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

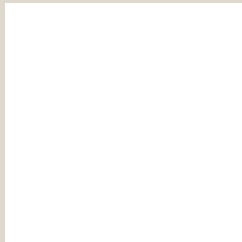
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 6.624, 90.086

Background



This preview shows how black text looks on a background with the CIELCh color 87, 6.624, 90.086.

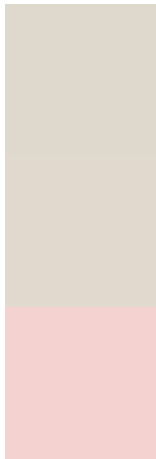


This preview shows how white text looks on a background with the CIELCh color 87, 6.624, 90.086.

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

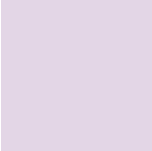
87, 6.624, 90.086

Protanopia

87, 6.904, 84.248

Deuteranopia

87, 12.433, 27.452



Tritanopia
87, 9.616, 319.470

Trichromacy



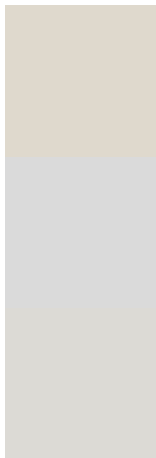
Original Color
87, 6.624, 90.086

Protanomaly
87, 6.755, 87.108

Deuteranomaly
87, 9.314, 42.919

Tritanomaly
87, 5.084, 341.580

Monochromacy



Original Color
87, 6.624, 90.086

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.693, 94.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 6.624, 90.086 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(223, 217, 205)` looks like.

```
.text, #text, p{  
    color:rgb(223, 217, 205)  
}
```

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(223, 217, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 217, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 6.624, 90.086 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(223, 217, 205) }
```

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

```
.border{ border-color:rgb(223, 217, 205) }
```

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

Here you see how a box with a 4 pixel rgb(223, 217, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 217, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 217, 205);  
box-shadow:4px 4px 4px 4px rgb(223, 217,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 6.624, 90.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 217, 205) }
```

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

```
.background{ background-color: rgb(223,  
217, 205) }
```

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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