

Converting Colors

CIELCh(87, 21.009, 81.241)

Have a look what the booklet for
CIELCh(87, 21.009, 81.241) contains.

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Color

CIELCh(87, 21.010, 82.128)

Conversions

Conversions Part 1

Format	Color
Hex	EFD7B3
RGB	239, 215, 179
RGB Percent	94%, 84%, 70%
CMY	0.0639, 0.1579, 0.2991
CMYK	0.00, 0.10, 0.25, 0.06
HSL	36°, 65%, 82%
HSV	36°, 25%, 94%
XYZ	67.8412, 70.0064, 52.4438
YIQ	218.0720, 25.8600, -6.1080

Conversions

Conversions Part 2

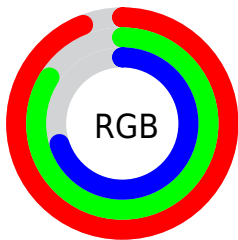
Format	Color
R_{YB}	219, 239, 179
Decimal	15718323
CIE Lab	87.00, 2.88, 20.81
CIE LCh	87, 21.010, 82.128
Yxy	70.0064, 0.3565, 0.3679
Android (android.graphics.Color)	4293908403 (0xFFEFD7B3)
YUV	218.0720, -19.2625, 18.3539
Hunter-Lab	83.6698, -1.6908, 21.4062

Details

The CIELCh color **87, 21.010, 82.128** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **81, 20.427, 269.294**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.124, 109.411**, and **67, 20.908, 82.078** is the 20% darker color. If you saturate the color by 10%, you get **84, 29.815, 80.768**, and if you desaturate by 10%, it is **90, 12.454, 83.461**.

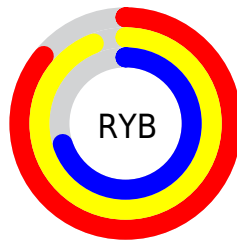
Distribution



Red (94%)

Green (84%)

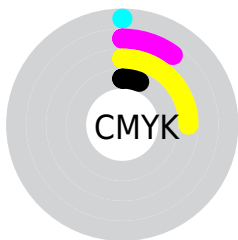
Blue (70%)



Red (86%)

Yellow (94%)

Blue (70%)

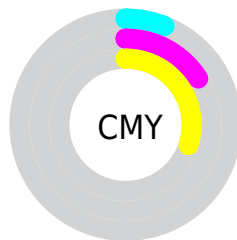


Cyan (0%)

Magenta (10%)

Yellow (25%)

Black (6%)



Cyan (6%)

Magenta (16%)

Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.010, 82.128 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, 21.010, 82.128 by changing the saturation by 10% instead.

 87, 21.010, 82.128

 87, 21.010, 82.128

 100, 21.010,
82.128

 77, 21.010, 82.128

 67, 21.010, 82.128

 57, 21.010, 82.128

 47, 21.010, 82.128

 37, 21.010, 82.128

 27, 21.010, 82.128

 17, 21.010, 82.128

 7, 21.010, 82.128

 0, 21.010, 82.128

87, 21.010, 82.128

87, 21.010, 82.128

84, 29.815, 80.768

90, 12.454, 83.461

81, 38.825, 79.360

93, 4.151, 84.703

79, 47.937, 77.906

96, 3.907, 266.119

76, 56.924, 76.374

98, 4.977, 211.589

74, 65.350, 74.693

99, 5.598, 199.169

71, 72.460, 72.717

69, 77.245, 70.198

68, 78.854, 68.807

Harmonies

Complementary

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



87, 21.010, 82.128



81, 20.427, 269.294

Rectangle

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



87, 21.010, 82.128



87, 21.010, 132.128



87, 21.010, 262.128



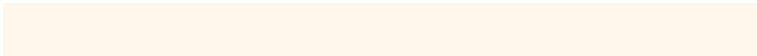
87, 21.010, 312.128

Sweetspot

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



87, 21.011, 82.136



97, 6.869, 84.361



79, 25.618, 351.937



52, 4.894, 84.174



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, 21.011, 82.136



91, 26.665, 81.459



93, 30.675, 112.044



49, 4.651, 84.182



53, 64.697, 69.421



15, 23.839, 71.754

Inverse Universe

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



81, 20.427, 269.294



83, 25.766, 270.257



75, 32.536, 296.580



47, 4.614, 266.747



35, 68.263, 292.407



8, 25.458, 285.651

Previews

White Background



This preview shows how the CIELCh color 87, 21.010, 82.128 looks on a white background.

Color Contrast Check

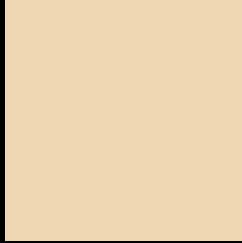
Large Text (above 18pt) WCAG AA × Fail

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, 21.010, 82.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

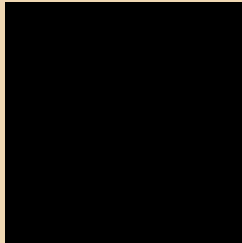
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.010, 82.128

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.010, 82.128.



This preview shows how white text looks on a background with the CIELCh color 87, 21.010, 82.128.

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, 21.010, 82.128

Protanopia
87, 20.298, 95.280

Deuteranopia
87, 22.908, 62.839



Tritanopia
87, 15.793, 346.456

Trichromacy



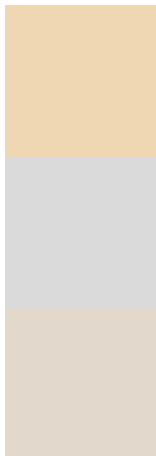
Original Color
87, 21.010, 82.128

Protanomaly
87, 20.240, 90.692

Deuteranomaly
87, 21.717, 69.654

Tritanomaly
87, 11.975, 25.208

Monochromacy



Original Color
87, 21.010, 82.128

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 7.538, 83.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.010, 82.128 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(239, 215, 179)` looks like.

```
.text, #text, p{  
    color:rgb(239, 215, 179)  
}
```

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(239, 215, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 215, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.010, 82.128 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(239, 215, 179) }
```

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

```
.border{ border-color:rgb(239, 215, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 215, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 215, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 215, 179);  
box-shadow:4px 4px 4px 4px rgb(239, 215,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.010, 82.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 215, 179) }
```

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

```
.background{ background-color: rgb(239,  
215, 179) }
```

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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