

Converting Colors

CIELCh(75, 30.835, 87.862)

Have a look what the booklet for
CIELCh(75, 30.835, 87.862) contains.

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Color

CIELCh(75, 30.816, 87.529)

Conversions

Conversions Part 1

Format	Color
Hex	CFB680
RGB	207, 182, 128
RGB Percent	81%, 71%, 50%
CMY	0.1882, 0.2863, 0.4980
CMYK	0.00, 0.12, 0.38, 0.19
HSL	41°, 45%, 66%
HSV	41°, 38%, 81%
XYZ	46.3548, 48.2781, 27.2967
YIQ	183.3190, 32.2340, -11.4940

Conversions

Conversions Part 2

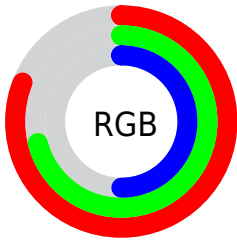
Format	Color
RYB	165, 207, 128
Decimal	13612672
CIELab	75.00, 1.33, 30.79
CIELCh	75, 30.816, 87.529
Yxy	48.2781, 0.3802, 0.3960
Android (android.graphics.Color)	4291802752 (0xFFCFB680)
YUV	183.3190, -27.2723, 20.7682
Hunter-Lab	69.4824, -2.5092, 25.3452

Details

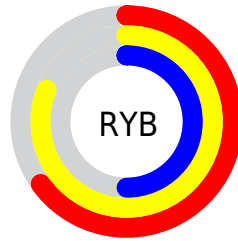
The CIELCh color **75, 30.816, 87.529** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63, 30.849, 278.699**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.841, 95.045**, and **55, 30.680, 87.479** is the 20% darker color. If you saturate the color by 10%, you get **73, 39.096, 86.151**, and if you desaturate by 10%, it is **77, 22.566, 88.876**.

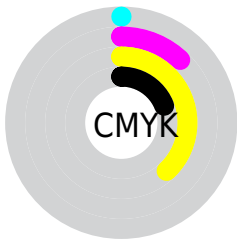
Distribution



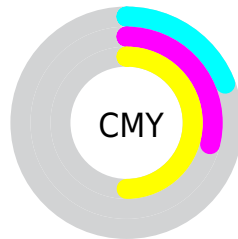
- Red (81%)
- Green (71%)
- Blue (50%)



- Red (65%)
- Yellow (81%)
- Blue (50%)



- Cyan (0%)
- Magenta (12%)
- Yellow (38%)
- Black (19%)



- Cyan (19%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 30.816, 87.529 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 75, 30.816, 87.529 by changing the saturation by 10% instead.

75, 30.816, 87.529

75, 30.816, 87.529

100, 30.816,
87.529

65, 30.816, 87.529

95, 30.816, 87.529

55, 30.816, 87.529

45, 30.816, 87.529

35, 30.816, 87.529

25, 30.816, 87.529

15, 30.816, 87.529

5, 30.816, 87.529

0, 30.816, 87.529

75, 30.816, 87.529

75, 30.816, 87.529

73, 39.096, 86.151

77, 22.566, 88.876

71, 47.253, 84.721

79, 14.420, 90.176

69, 55.003, 83.217

81, 6.414, 91.420

67, 61.862, 81.581

84, 1.440, 272.839

66, 67.105, 79.700

86, 9.142, 273.871

64, 70.129, 77.435

88, 16.699,
274.979

64, 70.609, 77.013

90, 15.533,
264.953

91, 13.802,
249.896

93, 13.209,
232.261

Harmonies

Complementary

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



75, 30.816, 87.529



63, 30.849, 278.699

Rectangle

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



75, 30.816, 87.529



75, 30.816, 137.529



75, 30.816, 267.529



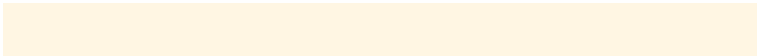
75, 30.816, 317.529

Sweetspot

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



75, 30.817, 87.534



97, 10.270, 91.059



63, 33.778, 359.312



51, 6.910, 90.889



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 30.817, 87.534



89, 44.200, 86.377



80, 41.402, 114.677



43, 4.501, 91.269



53, 60.563, 77.445



11, 17.012, 80.478

Inverse Universe

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



63, 30.849, 278.699



72, 44.408, 280.638



58, 45.312, 300.822



41, 4.508, 273.702



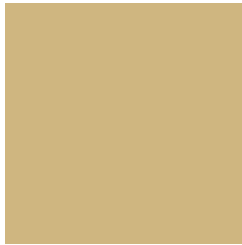
28, 73.046, 297.270



4, 20.028, 283.881

Previews

White Background



This preview shows how the CIELCh color 75, 30.816, 87.529 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 75, 30.816, 87.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

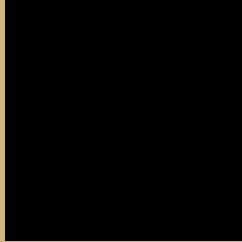
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 30.816, 87.529

Background



This preview shows how black text looks on a background with the CIELCh color 75, 30.816, 87.529.

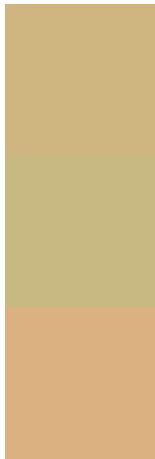


This preview shows how white text looks on a background with the CIELCh color 75, 30.816, 87.529.

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


75, 30.816, 87.529

Protanopia

75, 30.433, 96.286

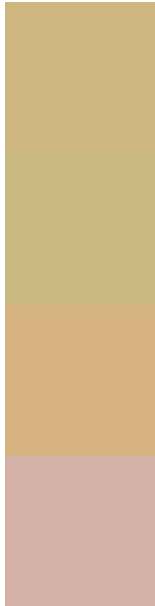
Deuteranopia

75, 31.849, 73.001



Tritanopia
75, 16.506, 353.783

Trichromacy



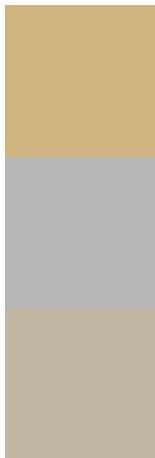
Original Color
75, 30.816, 87.529

Protanomaly
75, 30.339, 93.043

Deuteranomaly
75, 31.025, 78.393

Tritanomaly
75, 14.699, 43.960

Monochromacy



Original Color
75, 30.816, 87.529

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 11.311, 91.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 30.816, 87.529 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(207, 182, 128)` looks like.

```
.text, #text, p{  
    color:rgb(207, 182, 128)  
}
```

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(207, 182, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 182, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 30.816, 87.529 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(207, 182, 128) }
```

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

```
.border{ border-color:rgb(207, 182, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 182, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 182, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 182, 128);  
box-shadow:4px 4px 4px 4px rgb(207, 182,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 30.816, 87.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 182, 128) }
```

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

```
.background{ background-color: rgb(207,  
182, 128) }
```

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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