

Converting Colors

CIELCh(85, 3.475, 32.917)

Have a look what the booklet for
CIELCh(85, 3.475, 32.917) contains.

CIELCh(85, 3.692, 27.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 3.692, 27.675)

Conversions

Conversions Part 1

Format	Color
Hex	DCD2D1
RGB	220, 210, 209
RGB Percent	86%, 82%, 82%
CMY	0.1367, 0.1759, 0.1799
CMYK	0.00, 0.05, 0.05, 0.14
HSL	5°, 14%, 84%
HSV	5°, 5%, 86%
XYZ	64.1619, 66.0070, 69.7681
YIQ	212.8760, 6.2810, 1.8090

Conversions

Conversions Part 2

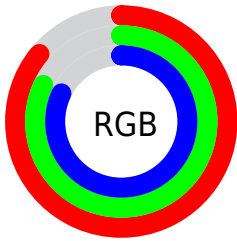
Format	Color
R _Y B	220, 210, 209
Decimal	14471889
CIE Lab	85.00, 3.27, 1.71
CIE LCh	85, 3.692, 27.675
Yxy	66.0070, 0.3209, 0.3301
Android (android.graphics.Color)	4292661969 (0xFFDCD2D1)
YUV	212.8760, -1.9109, 6.2477
Hunter-Lab	81.2447, -1.2103, 5.9566

Details

The CIELCh color **85, 3.692, 27.675** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 3.576, 207.785**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 3.527, 28.615** is the 20% darker color. If you saturate the color by 10%, you get **79, 11.542, 28.187**, and if you desaturate by 10%, it is **91, 3.548, 207.797**.

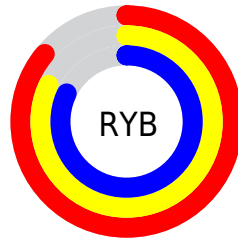
Distribution



Red (86%)

Green (82%)

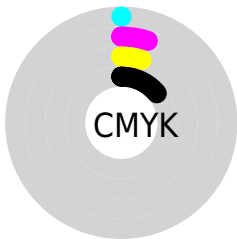
Blue (82%)



Red (86%)

Yellow (82%)

Blue (82%)

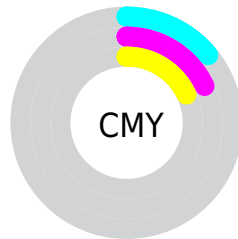


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (14%)



Cyan (14%)

Magenta (18%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 3.692, 27.675 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 85, 3.692, 27.675 by changing the saturation by 10% instead.

85, 3.692, 27.675

85, 3.692, 27.675

100, 3.692, 27.675

75, 3.692, 27.675

65, 3.692, 27.675

55, 3.692, 27.675

45, 3.692, 27.675

35, 3.692, 27.675

25, 3.692, 27.675

15, 3.692, 27.675

5, 3.692, 27.675

0, 3.692, 27.675

85, 3.692, 27.675

85, 3.692, 27.675

79, 11.542, 28.187

91, 3.548, 207.797

74, 20.051, 28.746

96, 10.232,
207.541

69, 29.238, 29.514

98, 11.758,
198.720

64, 39.077, 30.564

59, 49.477, 31.967

55, 60.247, 33.778

52, 71.042, 35.978

49, 81.193, 38.335

47, 89.234, 40.145

Harmonies

Complementary

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



85, 3.692, 27.675



87, 3.576, 207.785

Rectangle

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



85, 3.692, 27.675



85, 3.692, 77.675



85, 3.692, 207.675



85, 3.692, 257.675

Sweetspot

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



85, 3.691, 27.709



99, 0.819, 26.945



85, 6.657, 327.013



53, 0.465, 26.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 3.691, 27.709



96, 5.014, 27.770



86, 3.731, 83.157



44, 2.945, 27.798



37, 76.919, 41.081



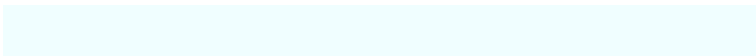
6, 22.432, 24.938

Inverse Universe

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



87, 3.576, 207.785



99, 4.824, 207.735



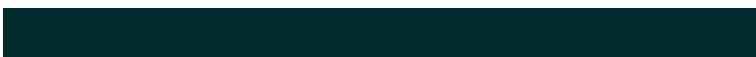
85, 3.723, 264.604



45, 2.823, 207.713



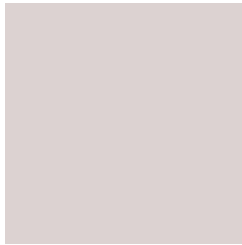
59, 33.673, 212.367



15, 13.720, 209.335

Previews

White Background



This preview shows how the CIELCh color 85, 3.692, 27.675 looks on a white background.

Color Contrast Check

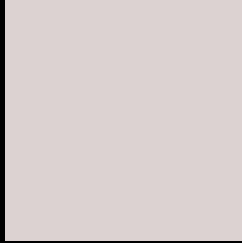
Large Text (above 18pt) WCAG AA × Fail

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 85, 3.692, 27.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

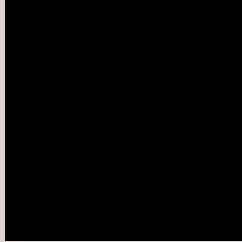
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

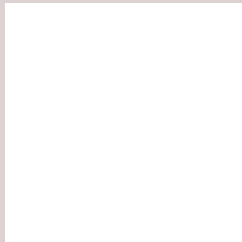
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 3.692, 27.675

Background



This preview shows how black text looks on a background with the CIELCh color 85, 3.692, 27.675.

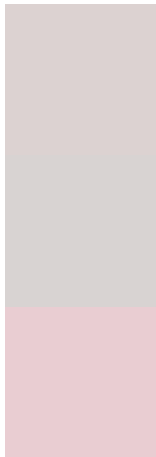


This preview shows how white text looks on a background with the CIELCh color 85, 3.692, 27.675.

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

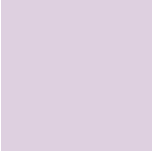
85, 3.692, 27.675

Protanopia

85, 1.887, 35.362

Deuteranopia

85, 10.663, 5.985



Tritanopia
85, 9.844, 321.317

Trichromacy



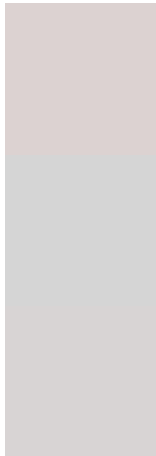
Original Color
85, 3.692, 27.675

Protanomaly
85, 2.600, 30.996

Deuteranomaly
85, 7.887, 8.453

Tritanomaly
85, 6.845, 329.671

Monochromacy



Original Color
85, 3.692, 27.675

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 1.452, 19.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 3.692, 27.675 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(220, 210, 209)` looks like.

```
.text, #text, p{  
    color:rgb(220, 210, 209)  
}
```

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(220, 210, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 210, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 3.692, 27.675 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(220, 210, 209) }
```

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

```
.border{ border-color:rgb(220, 210, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 210, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 210, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 210, 209);  
box-shadow:4px 4px 4px 4px rgb(220, 210,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 3.692, 27.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 210, 209) }
```

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

```
.background{ background-color: rgb(220,  
210, 209) }
```

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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