

Converting Colors

CIELCh(85, 2.242, 65.745)

Have a look what the booklet for
CIELCh(85, 2.242, 65.745) contains.

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Color

CIELCh(85, 2.538, 74.819)

Conversions

Conversions Part 1

Format	Color
Hex	D8D4D0
RGB	216, 212, 208
RGB Percent	85%, 83%, 82%
CMY	0.1542, 0.1699, 0.1856
CMYK	0.00, 0.02, 0.04, 0.15
HSL	30°, 9%, 83%
HSV	30°, 4%, 85%
XYZ	63.0255, 66.0070, 68.8801
YIQ	212.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

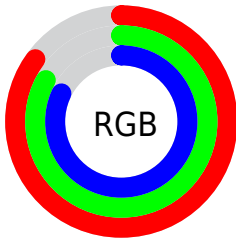
Format	Color
R _Y B	216, 216, 208
Decimal	14210256
CIE Lab	85.00, 0.66, 2.45
CIE LCh	85, 2.538, 74.819
Yxy	66.0070, 0.3185, 0.3335
Android (android.graphics.Color)	4292400336 (0xFFD8D4D0)
YUV	212.7400, -2.3368, 2.8590
Hunter-Lab	81.2447, -3.7071, 6.6046

Details

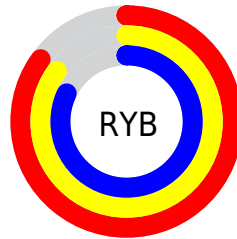
The CIELCh color **85, 2.538, 74.819** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 2.530, 256.083**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 2.256, 66.690** is the 20% darker color. If you saturate the color by 10%, you get **82, 9.620, 73.755**, and if you desaturate by 10%, it is **88, 4.237, 256.316**.

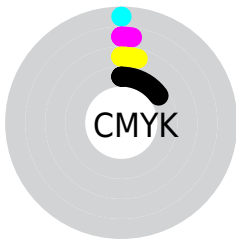
Distribution



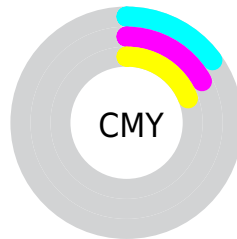
- Red (85%)
- Green (83%)
- Blue (82%)



- Red (85%)
- Yellow (85%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (15%)



- Cyan (15%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 2.538, 74.819 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, 2.538, 74.819 by changing the saturation by 10% instead.

85, 2.538, 74.819

85, 2.538, 74.819

100, 2.538, 74.819

75, 2.538, 74.819

65, 2.538, 74.819

55, 2.538, 74.819

45, 2.538, 74.819

35, 2.538, 74.819

25, 2.538, 74.819

15, 2.538, 74.819

5, 2.538, 74.819

0, 2.538, 74.819

85, 2.538, 74.819

85, 2.538, 74.819

82, 9.620, 73.755

88, 4.237, 256.316

79, 17.036, 72.524

92, 10.736,
257.427

75, 24.805, 71.269

95, 10.925,
230.248

72, 32.925, 70.001

69, 41.352, 68.715

97, 13.117,
199.157

67, 49.955, 67.386

97, 13.198,
198.625

64, 58.440, 65.941

61, 66.217, 64.220

59, 72.316, 61.920

Harmonies

Complementary

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



85, 2.538, 74.819



85, 2.530, 256.083

Rectangle

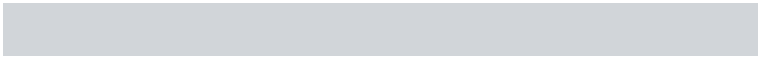
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



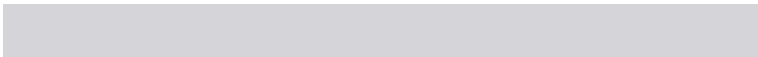
85, 2.538, 74.819



85, 2.538, 124.819



85, 2.538, 254.819



85, 2.538, 304.819

Sweetspot

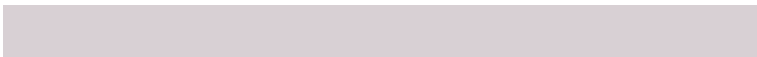
The Sweet Spot groups the original color and five complimentary colors.



85, 2.539, 74.871



100, 0.773, 74.780



84, 3.609, 343.835



53, 0.439, 74.756



0, 0.000, 0.000



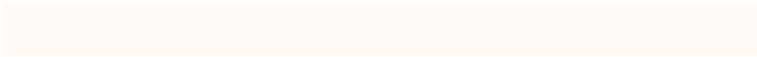
53, 0.007, 296.813

Same Dimension

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



85, 2.539, 74.871



98, 3.140, 74.843



86, 4.176, 109.808



44, 1.938, 74.782



46, 63.057, 60.867



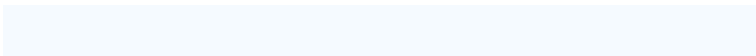
10, 17.037, 59.316

Inverse Universe

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



85, 2.530, 256.083



98, 3.126, 256.112



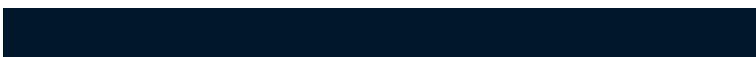
84, 4.228, 290.558



44, 1.924, 256.179



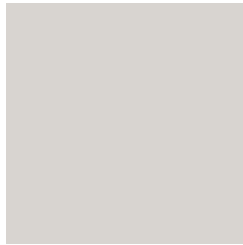
37, 53.243, 283.835



7, 17.208, 272.960

Previews

White Background



This preview shows how the CIELCh color 85, 2.538, 74.819 looks on a white background.

Color Contrast Check

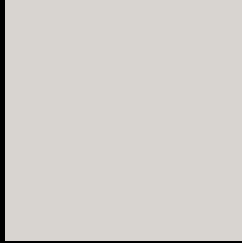
Large Text (above 18pt) WCAG AA × Fail

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 85, 2.538, 74.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

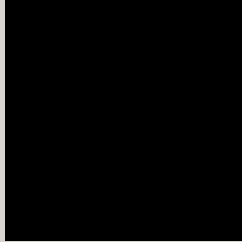
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

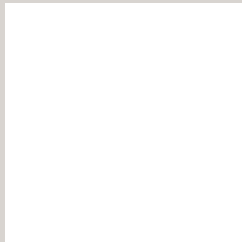
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 2.538, 74.819

Background



This preview shows how black text looks on a background with the CIELCh color 85, 2.538, 74.819.

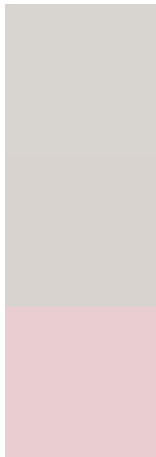


This preview shows how white text looks on a background with the CIELCh color 85, 2.538, 74.819.

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, 2.538, 74.819

Protanopia
85, 3.020, 63.272

Deuteranopia
85, 10.931, 9.175



Tritanopia
85, 9.053, 311.506

Trichromacy



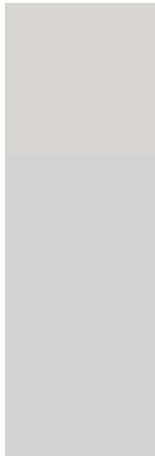
Original Color
85, 2.538, 74.819

Protanomaly
85, 3.020, 63.272

Deuteranomaly
85, 7.440, 11.806

Tritanomaly
85, 5.393, 318.280

Monochromacy



Original Color
85, 2.538, 74.819

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 1.098, 90.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 2.538, 74.819 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(216, 212, 208)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 208)  
}
```

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(216, 212, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 2.538, 74.819 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(216, 212, 208) }
```

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

```
.border{ border-color:rgb(216, 212, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 212, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 208);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 2.538, 74.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 208) }
```

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

```
.background{ background-color: rgb(216,  
212, 208) }
```

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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