

Converting Colors

CIELCh(85, 5.025, 62.286)

Have a look what the booklet for
CIELCh(85, 5.025, 62.286) contains.

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Color

CIELCh(85, 5.188, 64.415)

Conversions

Conversions Part 1

Format	Color
Hex	DDD3CC
RGB	221, 211, 204
RGB Percent	87%, 83%, 80%
CMY	0.1351, 0.1743, 0.2017
CMYK	0.00, 0.05, 0.08, 0.14
HSL	25°, 20%, 83%
HSV	25°, 8%, 86%
XYZ	63.7113, 66.0070, 66.2310
YIQ	213.1920, 8.2070, -0.0570

Conversions

Conversions Part 2

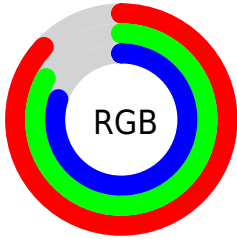
Format	Color
R _{YB}	221, 216, 204
Decimal	14537676
CIE Lab	85.00, 2.24, 4.68
CIE LCh	85, 5.188, 64.415
Yxy	66.0070, 0.3251, 0.3369
Android (android.graphics.Color)	4292727756 (0xFFDDD3CC)
YUV	213.1920, -4.5317, 6.8476
Hunter-Lab	81.2447, -2.2003, 8.5379

Details

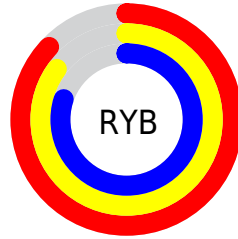
The CIELCh color `85, 5.188, 64.415` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 5.045, 246.301`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 5.229, 67.242` is the 20% darker color. If you saturate the color by 10%, you get `81, 12.295, 63.448`, and if you desaturate by 10%, it is `89, 1.510, 245.895`.

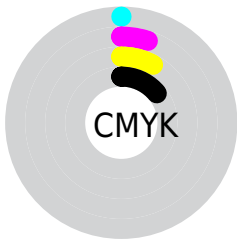
Distribution



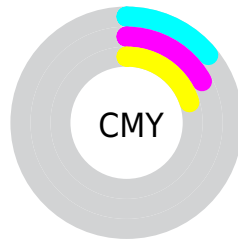
- Red (87%)
- Green (83%)
- Blue (80%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (14%)



- Cyan (14%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 5.188, 64.415 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, 5.188, 64.415 by changing the saturation by 10% instead.

85, 5.188, 64.415

85, 5.188, 64.415

100, 5.188, 64.415

75, 5.188, 64.415

65, 5.188, 64.415

55, 5.188, 64.415

45, 5.188, 64.415

35, 5.188, 64.415

25, 5.188, 64.415

15, 5.188, 64.415

5, 5.188, 64.415

0, 5.188, 64.415

85, 5.188, 64.415

85, 5.188, 64.415

81, 12.295, 63.448

89, 1.510, 245.895

77, 19.851, 62.431

93, 7.844, 246.689

74, 27.886, 61.435

96, 10.089,
215.257

70, 36.408, 60.471

98, 11.624,
198.729

67, 45.371, 59.536

64, 54.627, 58.591

61, 63.817, 57.532

58, 72.187, 56.114

55, 78.614, 53.959

Harmonies

Complementary

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



85, 5.188, 64.415



85, 5.045, 246.301

Rectangle

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



85, 5.188, 64.415



85, 5.188, 114.415



85, 5.188, 244.415



85, 5.188, 294.415

Sweetspot

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



85, 5.188, 64.443



99, 1.485, 64.779



84, 8.221, 339.164



53, 0.844, 64.771



0, 0.000, 0.000



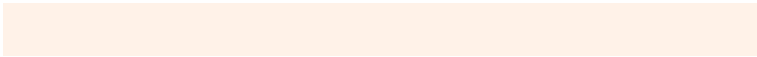
53, 0.007, 296.813

Same Dimension

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



85, 5.188, 64.443



96, 6.847, 64.313



87, 7.986, 104.990



44, 3.826, 64.278



43, 66.501, 54.130



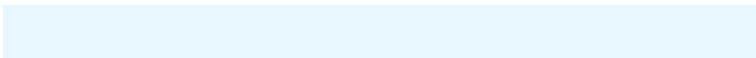
9, 18.624, 49.838

Inverse Universe

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



85, 5.045, 246.301



96, 6.618, 246.456



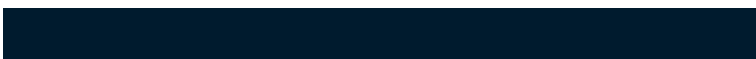
83, 8.107, 286.661



44, 3.692, 246.497



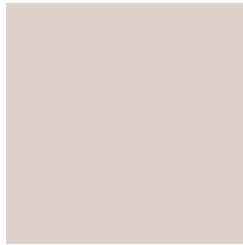
42, 45.039, 273.721



9, 15.761, 263.119

Previews

White Background



This preview shows how the CIELCh color 85, 5.188, 64.415 looks on a white background.

Color Contrast Check

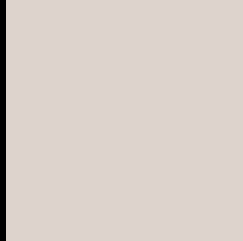
Large Text (above 18pt) WCAG AA × Fail

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, 5.188, 64.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

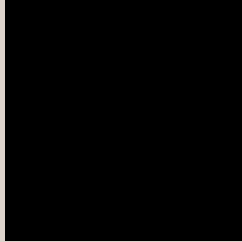
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

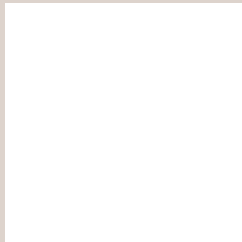
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 5.188, 64.415

Background



This preview shows how black text looks on a background with the CIELCh color 85, 5.188, 64.415.

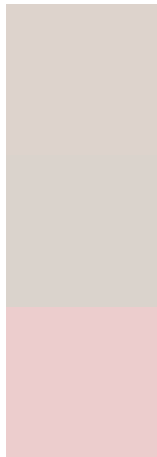


This preview shows how white text looks on a background with the CIELCh color 85, 5.188, 64.415.

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, 5.188, 64.415

Protanopia

85, 4.467, 74.553

Deuteranopia

85, 11.564, 20.234



Tritanopia
85, 10.674, 323.220

Trichromacy



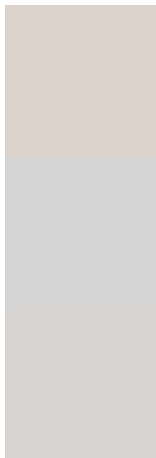
Original Color
85, 5.188, 64.415

Protanomaly
85, 4.689, 70.835

Deuteranomaly
85, 8.701, 30.343

Tritanomaly
85, 6.966, 337.089

Monochromacy



Original Color
85, 5.188, 64.415

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 1.781, 55.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 5.188, 64.415 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(221, 211, 204)` looks like.

```
.text, #text, p{  
    color:rgb(221, 211, 204)  
}
```

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(221, 211, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 211, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 5.188, 64.415 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(221, 211, 204) }
```

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

```
.border{ border-color:rgb(221, 211, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 211, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 211, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 211, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 211,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 5.188, 64.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 211, 204) }
```

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

```
.background{ background-color: rgb(221,  
211, 204) }
```

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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