

Converting Colors

CIELCh(85, 20.390, 104.078)

Have a look what the booklet for
CIELCh(85, 20.390, 104.078)
contains.

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Color

CIELCh(85, 20.407, 104.069)

Conversions

Conversions Part 1

Format	Color
Hex	DAD6AF
RGB	218, 214, 175
RGB Percent	85%, 84%, 69%
CMY	0.1456, 0.1612, 0.3142
CMYK	0.00, 0.02, 0.20, 0.15
HSL	54°, 37%, 77%
HSV	54°, 20%, 85%
XYZ	60.6174, 66.0070, 50.0416
YIQ	210.7500, 14.9030, -11.2810

Conversions

Conversions Part 2

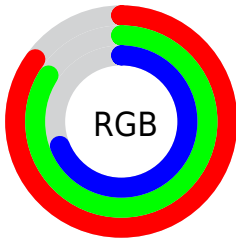
Format	Color
R_{YB}	179, 218, 175
Decimal	14341807
CIE _{Lab}	85.00, -4.96, 19.79
CIE _{LCh}	85, 20.407, 104.069
Yxy	66.0070, 0.3431, 0.3736
Android (android.graphics.Color)	4292531887 (0xFFDAD6AF)
YUV	210.7500, -17.6247, 6.3582
Hunter-Lab	81.2447, -8.9979, 20.3524

Details

The CIELCh color **85, 20.407, 104.069** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 21.162, 288.520**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **65, 20.431, 103.314** is the 20% darker color. If you saturate the color by 10%, you get **84, 30.677, 103.005**, and if you desaturate by 10%, it is **86, 10.066, 105.128**.

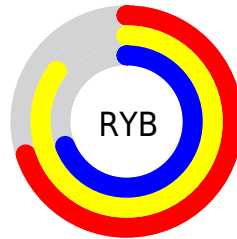
Distribution



Red (85%)

Green (84%)

Blue (69%)



Red (70%)

Yellow (85%)

Blue (69%)

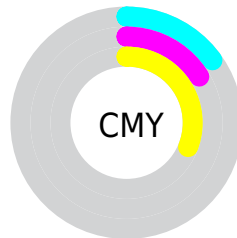


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (15%)



Cyan (15%)


Magenta (16%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 20.407, 104.069 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, 20.407, 104.069 by changing the saturation by 10% instead.


 85, 20.407,
104.069


 85, 20.407,
104.069


 100, 20.407,
104.069


 75, 20.407,
104.069

 65, 20.407,
104.069

 55, 20.407,
104.069

 45, 20.407,
104.069

 35, 20.407,
104.069

 25, 20.407,
104.069

 15, 20.407,

104.069

■ 5, 20.407, 104.069

■ 0, 20.407, 104.069

■ 85, 20.407,
104.069

■ 85, 20.407,
104.069

■ 84, 30.677,
103.005

■ 86, 10.066,
105.128

■ 83, 40.769,
101.934

■ 87, 0.286, 286.558

■ 82, 50.513,
100.879

■ 88, 10.612,
287.188

■ 82, 59.636, 99.860

■ 89, 17.240,
287.011

■ 81, 67.723, 98.897

■ 90, 16.221,
284.221

■ 80, 74.207, 98.009

■ 90, 15.246,
281.077

■ 80, 78.484, 97.206

■ 91, 14.323,
277.529

■ 79, 80.479, 96.469

■ 79, 80.523, 96.450

■ 91, 13.461,
273.522

■ 92, 12.673,
269.007

Harmonies

Complementary

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



85, 20.407, 104.069



74, 21.162, 288.520

Rectangle

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



85, 20.407, 104.069



85, 20.407, 154.069



85, 20.407, 284.069



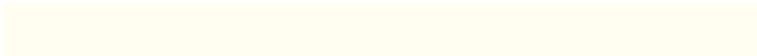
85, 20.407, 334.069

Sweetspot

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



85, 20.409, 104.075



99, 7.045, 105.505



75, 16.700, 12.946



53, 4.674, 105.439



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, 20.409, 104.075



97, 28.180, 103.596



85, 23.383, 124.515



46, 5.902, 105.159



64, 67.975, 96.557



17, 24.177, 98.818

Inverse Universe

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



74, 21.162, 288.520



82, 29.488, 289.170



74, 24.165, 306.558



42, 6.009, 287.197



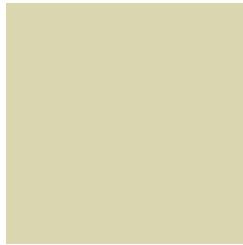
22, 95.706, 305.008



3, 27.696, 292.868

Previews

White Background



This preview shows how the CIELCh color 85, 20.407, 104.069 looks on a white background.

Color Contrast Check

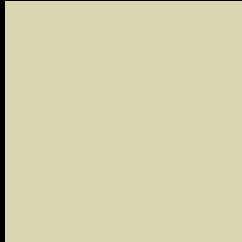
Large Text (above 18pt) WCAG AA × Fail

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, 20.407, 104.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

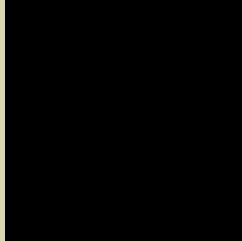
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

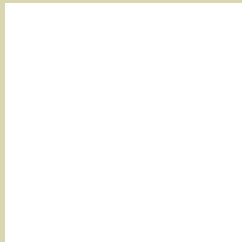
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 20.407, 104.069

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.407, 104.069.



This preview shows how white text looks on a background with the CIELCh color 85, 20.407, 104.069.

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, 20.407, 104.069

Protanopia

85, 20.500, 94.145

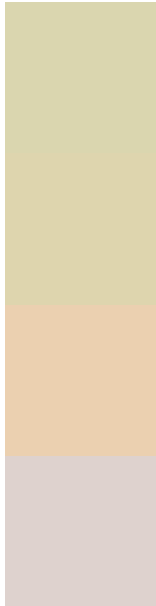
Deuteranopia

85, 21.623, 60.740



Tritanopia
85, 10.443, 326.459

Trichromacy



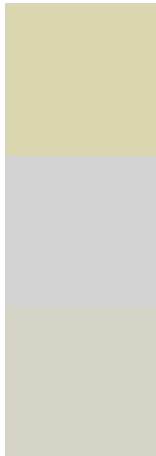
Original Color
85, 20.407, 104.069

Protanomaly
85, 20.661, 98.663

Deuteranomaly
85, 19.893, 76.620

Tritanomaly
85, 4.881, 44.990

Monochromacy



Original Color
85, 20.407, 104.069

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 7.368, 103.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.407, 104.069 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(218, 214, 175)` looks like.

```
.text, #text, p{  
    color:rgb(218, 214, 175)  
}
```

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(218, 214, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 214, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.407, 104.069 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(218, 214, 175) }
```

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

```
.border{ border-color:rgb(218, 214, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 214, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 214, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 214, 175);  
box-shadow:4px 4px 4px 4px rgb(218, 214,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.407, 104.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 214, 175) }
```

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

```
.background{ background-color: rgb(218,  
214, 175) }
```

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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