

Converting Colors

CIELCh(85, 13.603, 104.313)

Have a look what the booklet for
CIELCh(85, 13.603, 104.313)
contains.

CIELCh(85, 13.645, 104.220)	3
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Color

CIELCh(85, 13.645, 104.220)

Conversions

Conversions Part 1

Format	Color
Hex	D8D5BB
RGB	216, 213, 187
RGB Percent	85%, 84%, 73%
CMY	0.1516, 0.1634, 0.2654
CMYK	0.00, 0.01, 0.13, 0.15
HSL	54°, 27%, 79%
HSV	54°, 13%, 85%
XYZ	61.2997, 66.0070, 56.7058
YIQ	210.9330, 10.1340, -7.4500

Conversions

Conversions Part 2

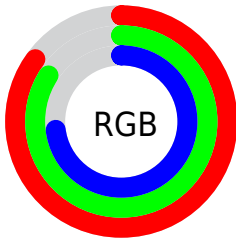
Format	Color
RYB	190, 216, 187
Decimal	14210491
CIELab	85.00, -3.35, 13.23
CIELCh	85, 13.645, 104.220
Yxy	66.0070, 0.3331, 0.3587
Android (android.graphics.Color)	4292400571 (0xFFD8D5BB)
YUV	210.9330, -11.7990, 4.4438
Hunter-Lab	81.2447, -7.4987, 15.4891

Details

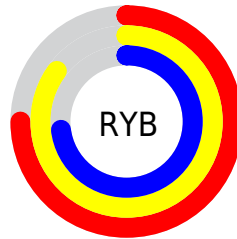
The CIELCh color **85, 13.645, 104.220** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 13.974, 287.188**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **65, 13.315, 103.512** is the 20% darker color. If you saturate the color by 10%, you get **84, 23.812, 103.156**, and if you desaturate by 10%, it is **86, 3.459, 105.257**.

Distribution



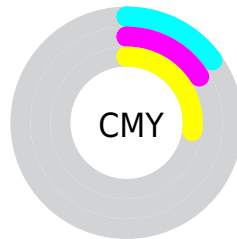
- Red (85%)
- Green (84%)
- Blue (73%)



- Red (75%)
- Yellow (85%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (13%)
- Black (15%)





- Cyan (15%)
- Magenta (16%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 13.645, 104.220 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, 13.645, 104.220 by changing the saturation by 10% instead.


 85, 13.645,
104.220


 85, 13.645,
104.220


 100, 13.645,
104.220


 75, 13.645,
104.220

 65, 13.645,
104.220

 55, 13.645,
104.220

 45, 13.645,
104.220

 35, 13.645,
104.220

 25, 13.645,
104.220

 15, 13.645,

104.220

■ 5, 13.645, 104.220

■ 0, 13.645, 104.220

■ 85, 13.645,
104.220

■ 85, 13.645,
104.220

■ 84, 23.812,
103.156

■ 86, 3.459, 105.257

■ 83, 33.882,
102.071

■ 87, 6.706, 286.332

■ 82, 43.737,
100.989

■ 88, 16.824,
287.309

■ 81, 53.178, 99.925

■ 89, 17.127,
284.907

■ 80, 61.889, 98.899

■ 90, 16.038,
281.647

■ 80, 69.402, 97.928

■ 90, 15.007,
277.940

■ 79, 75.109, 97.026

■ 91, 14.048,
273.722

■ 78, 78.452, 96.190

■ 78, 79.552, 95.662

■ 91, 13.175,
268.933

■ 92, 12.406,
263.526

Harmonies

Complementary

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



85, 13.645, 104.220



78, 13.974, 287.188

Rectangle

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



85, 13.645, 104.220



85, 13.645, 154.220



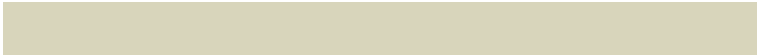
85, 13.645, 284.220



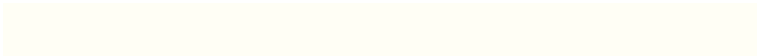
85, 13.645, 334.220

Sweetspot

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



85, 13.647, 104.228



99, 4.641, 105.197



79, 11.083, 10.947



53, 3.300, 105.122



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, 13.647, 104.228



98, 18.609, 103.936



85, 15.755, 124.220



45, 5.727, 104.648



63, 66.787, 95.788



15, 22.502, 98.469

Inverse Universe

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



78, 13.974, 287.188



88, 19.146, 287.544



78, 16.121, 305.601



42, 5.827, 286.699



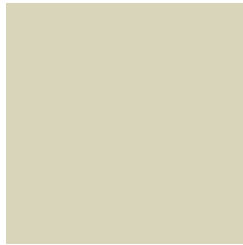
21, 93.968, 304.799



2, 25.602, 291.638

Previews

White Background



This preview shows how the CIELCh color 85, 13.645, 104.220 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, 13.645, 104.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

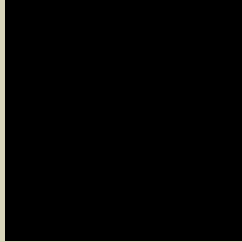
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

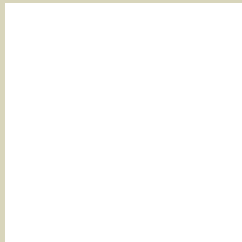
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 13.645, 104.220

Background



This preview shows how black text looks on a background with the CIELCh color 85, 13.645, 104.220.



This preview shows how white text looks on a background with the CIELCh color 85, 13.645, 104.220.

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](#).

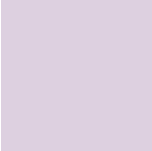
Dichromacy



Original Color
85, 13.645, 104.220

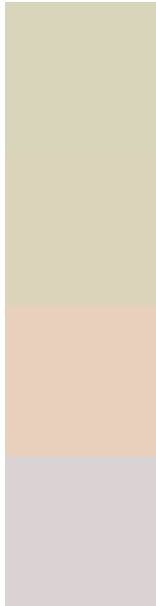
Protanopia
85, 14.125, 93.326

Deuteranopia
85, 16.266, 51.063



Tritanopia
85, 9.666, 319.478

Trichromacy



Original Color
85, 13.645, 104.220

Protanomaly
85, 13.938, 96.366

Deuteranomaly
85, 13.978, 68.115

Tritanomaly
85, 3.327, 10.413

Monochromacy



Original Color
85, 13.645, 104.220

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 5.249, 105.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 13.645, 104.220 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, 213, 187)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 187)  
}
```

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, 213, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 13.645, 104.220 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, 213, 187) }
```

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

```
.border{ border-color:rgb(216, 213, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 213, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 187);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 13.645, 104.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 187) }
```

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

```
.background{ background-color: rgb(216,  
213, 187) }
```

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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