

Converting Colors

CIELCh(85, 20.912, 95.745)

Have a look what the booklet for
CIELCh(85, 20.912, 95.745) contains.

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Color

CIELCh(85, 20.913, 95.474)

Conversions

Conversions Part 1

Format	Color
Hex	E0D4AD
RGB	224, 212, 173
RGB Percent	88%, 83%, 68%
CMY	0.1212, 0.1683, 0.3213
CMYK	0.00, 0.05, 0.23, 0.12
HSL	46°, 45%, 78%
HSV	46°, 23%, 88%
XYZ	61.8792, 66.0070, 49.0534
YIQ	211.1420, 19.6710, -9.5850

Conversions

Conversions Part 2

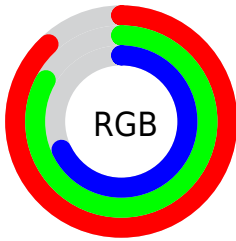
Format	Color
R _{YB}	189, 224, 173
Decimal	14734509
CIE Lab	85.00, -1.99, 20.82
CIE LCh	85, 20.913, 95.474
Yxy	66.0070, 0.3497, 0.3730
Android (android.graphics.Color)	4292924589 (0xFFE0D4AD)
YUV	211.1420, -18.8040, 11.2765
Hunter-Lab	81.2447, -6.2256, 21.0736

Details

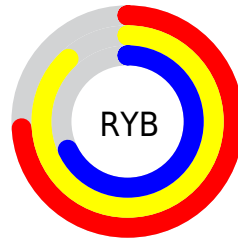
The CIELCh color $85, 20.913, 95.474$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $75, 21.306, 281.332$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 13.158, 109.183$, and $65, 21.353, 96.596$ is the 20% darker color. If you saturate the color by 10%, you get $83, 30.209, 94.231$, and if you desaturate by 10%, it is $87, 11.664, 96.692$.

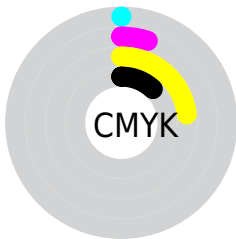
Distribution



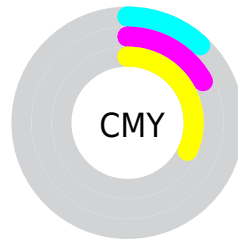
- Red (88%)
- Green (83%)
- Blue (68%)



- Red (74%)
- Yellow (88%)
- Blue (68%)



- Cyan (0%)
- Magenta (5%)
- Yellow (23%)
- Black (12%)



- Cyan (12%)
- Magenta (17%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 20.913, 95.474 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, 20.913, 95.474 by changing the saturation by 10% instead.

 85, 20.913, 95.474

 85, 20.913, 95.474

 100, 20.913,
95.474

 75, 20.913, 95.474

 65, 20.913, 95.474

 55, 20.913, 95.474

 45, 20.913, 95.474

 35, 20.913, 95.474

 25, 20.913, 95.474

 15, 20.913, 95.474

 5, 20.913, 95.474

 0, 20.913, 95.474

85, 20.913, 95.474

85, 20.913, 95.474

83, 30.209, 94.231

87, 11.664, 96.692

82, 39.467, 92.951

89, 2.501, 97.811

80, 48.539, 91.645

91, 6.555, 279.053

78, 57.160, 90.310

92, 11.633,
275.773

77, 64.890, 88.927

94, 9.722, 260.886

75, 71.070, 87.454

95, 8.716, 240.975

74, 74.932, 85.808

96, 8.909, 219.283

73, 76.332, 84.490

98, 10.217,
200.983

98, 10.473,
198.808

Harmonies

Complementary

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



85, 20.913, 95.474



75, 21.306, 281.332

Rectangle

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



85, 20.913, 95.474



85, 20.913, 145.474



85, 20.913, 275.474



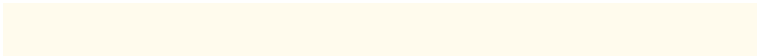
85, 20.913, 325.474

Sweetspot

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



85, 20.914, 95.480



99, 7.078, 97.357



76, 20.546, 1.907



52, 4.601, 97.288



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, 20.914, 95.480



94, 27.602, 94.931



87, 26.848, 118.476



46, 5.185, 97.082



58, 63.801, 84.830



15, 22.415, 87.859

Inverse Universe

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



75, 21.306, 281.332



82, 28.236, 282.078



73, 28.144, 301.541



44, 5.231, 279.390



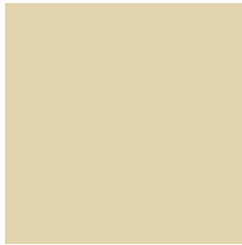
26, 84.788, 301.087



4, 26.534, 290.279

Previews

White Background



This preview shows how the CIELCh color 85, 20.913, 95.474 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, 20.913, 95.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

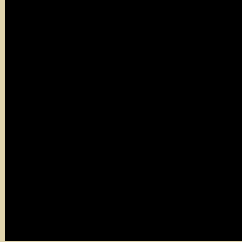
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.913, 95.474

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.913, 95.474.

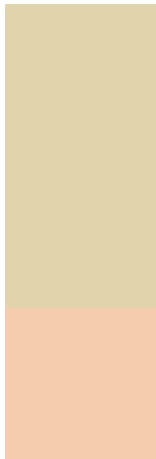


This preview shows how white text looks on a background with the CIELCh color 85, 20.913, 95.474.

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, 20.913, 95.474

Protanopia

85, 21.006, 94.429

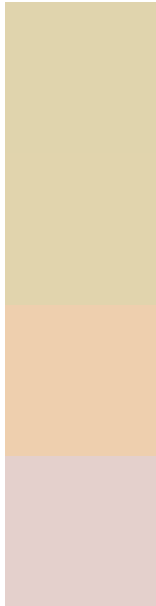
Deuteranopia

85, 22.678, 61.901



Tritanopia
85, 12.380, 337.582

Trichromacy



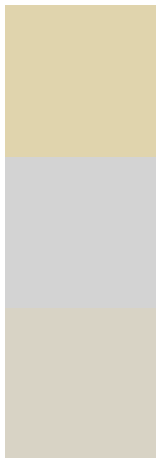
Original Color
85, 20.913, 95.474

Protanomaly
85, 21.006, 94.429

Deuteranomaly
85, 21.268, 73.677

Tritanomaly
85, 7.717, 35.580

Monochromacy



Original Color
85, 20.913, 95.474

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 7.561, 95.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.913, 95.474 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(224, 212, 173)` looks like.

```
.text, #text, p{  
    color:rgb(224, 212, 173)  
}
```

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(224, 212, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 212, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.913, 95.474 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(224, 212, 173) }
```

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

```
.border{ border-color:rgb(224, 212, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 212, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 212, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 212, 173);  
box-shadow:4px 4px 4px 4px rgb(224, 212,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.913, 95.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 212, 173) }
```

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

```
.background{ background-color: rgb(224,  
212, 173) }
```

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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