

Converting Colors

CIELCh(86, 20.305, 99.387)

Have a look what the booklet for
CIELCh(86, 20.305, 99.387) contains.

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Color

CIELCh(86, 20.545, 99.765)

Conversions

Conversions Part 1

Format	Color
Hex	E0D8B1
RGB	224, 216, 177
RGB Percent	88%, 85%, 69%
CMY	0.1224, 0.1537, 0.3067
CMYK	0.00, 0.04, 0.21, 0.12
HSL	50°, 43%, 79%
HSV	50°, 21%, 88%
XYZ	63.0954, 67.9871, 51.2888
YIQ	213.9460, 17.2870, -10.4330

Conversions

Conversions Part 2

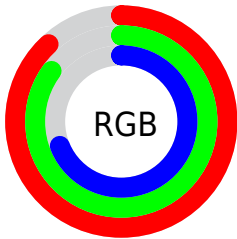
Format	Color
RYB	187, 224, 177
Decimal	14735537
CIELab	86.00, -3.48, 20.25
CIELCh	86, 20.545, 99.765
Yxy	67.9871, 0.3460, 0.3728
Android (android.graphics.Color)	4292925617 (0xFFE0D8B1)
YUV	213.9460, -18.2144, 8.8174
Hunter-Lab	82.4543, -7.7039, 20.8380

Details

The CIELCh color **86, 20.545, 99.765** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 21.133, 284.851**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **66, 20.527, 99.868** is the 20% darker color. If you saturate the color by 10%, you get **85, 30.348, 98.604**, and if you desaturate by 10%, it is **87, 10.733, 100.908**.

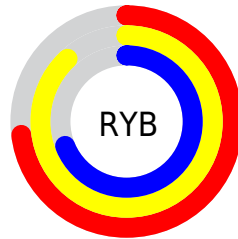
Distribution



Red (88%)

Green (85%)

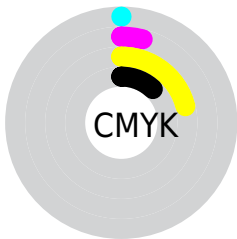
Blue (69%)



Red (73%)

Yellow (88%)

Blue (69%)

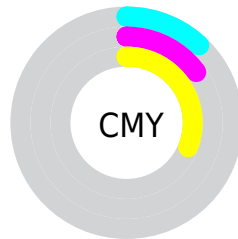


Cyan (0%)

Magenta (4%)

Yellow (21%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 20.545, 99.765 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 86, 20.545, 99.765 by changing the saturation by 10% instead.

 86, 20.545, 99.765

 86, 20.545, 99.765

 100, 20.545,
99.765

 76, 20.545, 99.765

 66, 20.545, 99.765

 56, 20.545, 99.765

 46, 20.545, 99.765

 36, 20.545, 99.765

 26, 20.545, 99.765

 16, 20.545, 99.765

 6, 20.545, 99.765

 0, 20.545, 99.765

86, 20.545, 99.765

86, 20.545, 99.765

85, 30.348, 98.604

87, 10.733,
100.908

83, 40.046, 97.420

89, 0.960, 101.874

82, 49.481, 96.228

91, 8.744, 283.124

81, 58.385, 95.036

92, 12.600,
279.991

80, 66.329, 93.847

79, 72.695, 92.652

93, 10.985,
271.152

77, 76.783, 91.419

94, 9.712, 259.718

77, 78.466, 90.247

95, 8.920, 245.657

96, 8.735, 230.052

97, 9.187, 214.967

Harmonies

Complementary

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



86, 20.545, 99.765



76, 21.133, 284.851

Rectangle

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



86, 20.545, 99.765



86, 20.545, 149.765



86, 20.545, 279.765



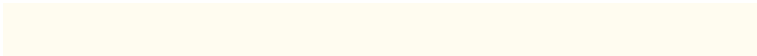
86, 20.545, 329.765

Sweetspot

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



86, 20.547, 99.771



99, 6.496, 101.452



76, 18.489, 6.655



53, 4.310, 101.381



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 20.547, 99.771



96, 27.210, 99.286



87, 25.020, 121.242



46, 5.551, 101.081



61, 65.652, 90.475



16, 23.762, 93.152

Inverse Universe

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



76, 21.133, 284.851



82, 28.164, 285.503



75, 26.039, 303.737



44, 5.627, 283.265



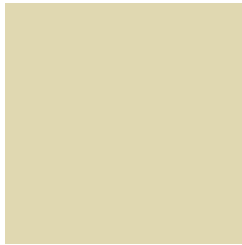
24, 91.086, 303.265



4, 27.935, 292.038

Previews

White Background



This preview shows how the CIELCh color 86, 20.545, 99.765 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 86, 20.545, 99.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

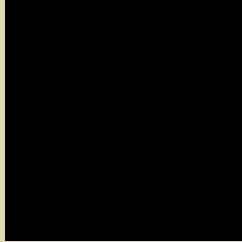
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

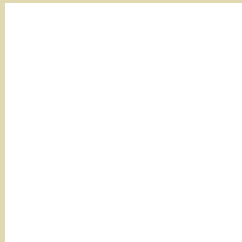
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 20.545, 99.765

Background



This preview shows how black text looks on a background with the CIELCh color 86, 20.545, 99.765.



This preview shows how white text looks on a background with the CIELCh color 86, 20.545, 99.765.

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

86, 20.545, 99.765

Protanopia

86, 20.951, 94.465

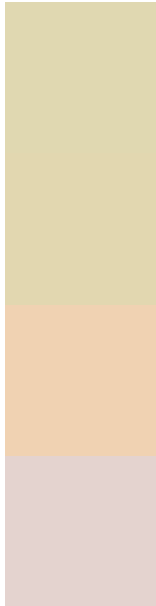
Deuteranopia

86, 22.227, 61.032



Tritanopia
86, 11.328, 332.454

Trichromacy



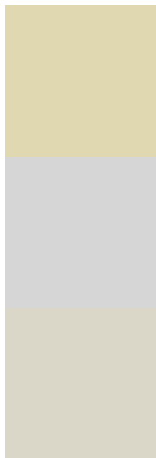
Original Color
86, 20.545, 99.765

Protanomaly
86, 20.773, 96.560

Deuteranomaly
86, 20.528, 73.863

Tritanomaly
86, 6.615, 38.156

Monochromacy



Original Color
86, 20.545, 99.765

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.909, 101.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 20.545, 99.765 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, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(224, 216, 177)  
}
```

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, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 216, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 20.545, 99.765 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, 216, 177) }
```

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

```
.border{ border-color:rgb(224, 216, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(224, 216,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 20.545, 99.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 216, 177) }
```

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

```
.background{ background-color: rgb(224,  
216, 177) }
```

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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