

Converting Colors

CIELCh(84, 20.389, 90.555)

Have a look what the booklet for
CIELCh(84, 20.389, 90.555) contains.

CIELCh(84, 20.405, 90.580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(84, 20.405, 90.580)

Conversions

Conversions Part 1

Format	Color
Hex	E0D0AB
RGB	224, 208, 171
RGB Percent	88%, 82%, 67%
CMY	0.1206, 0.1833, 0.3285
CMYK	0.00, 0.07, 0.24, 0.12
HSL	42°, 46%, 78%
HSV	42°, 24%, 88%
XYZ	60.8051, 64.0658, 47.8063
YIQ	208.5660, 21.4130, -8.1150

Conversions

Conversions Part 2

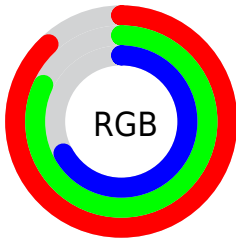
Format	Color
RYB	194, 224, 171
Decimal	14733483
CIELab	84.00, -0.21, 20.40
CIElCh	84, 20.405, 90.580
Yxy	64.0658, 0.3521, 0.3710
Android (android.graphics.Color)	4292923563 (0xFFE0D0AB)
YUV	208.5660, -18.5200, 13.5356
Hunter-Lab	80.0411, -4.4702, 20.6165

Details

The CIELCh color **84, 20.405, 90.580** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 20.475, 276.984**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **64, 20.277, 91.160** is the 20% darker color. If you saturate the color by 10%, you get **82, 29.258, 89.267**, and if you desaturate by 10%, it is **86, 11.671, 91.862**.

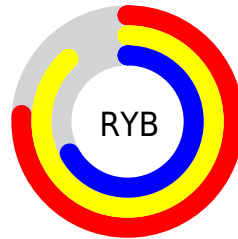
Distribution



Red (88%)

Green (82%)

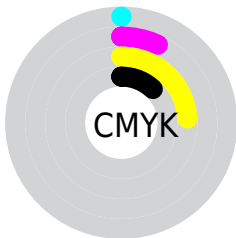
Blue (67%)



Red (76%)

Yellow (88%)

Blue (67%)

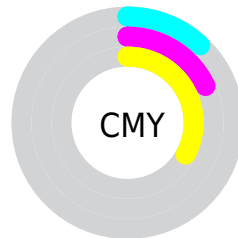


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (12%)



Cyan (12%)

Magenta (18%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 20.405, 90.580 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 84, 20.405, 90.580 by changing the saturation by 10% instead.

84, 20.405, 90.580

84, 20.405, 90.580

100, 20.405,
90.580

74, 20.405, 90.580

64, 20.405, 90.580

54, 20.405, 90.580

44, 20.405, 90.580

34, 20.405, 90.580

24, 20.405, 90.580

14, 20.405, 90.580

4, 20.405, 90.580

0, 20.405, 90.580

84, 20.405, 90.580

84, 20.405, 90.580

82, 29.258, 89.267

86, 11.671, 91.862

80, 38.161, 87.908

88, 3.079, 93.045

78, 46.987, 86.508

91, 5.359, 274.360

76, 55.491, 85.051

93, 10.750,
270.600

74, 63.247, 83.500

95, 8.869, 247.788

72, 69.573, 81.772

96, 8.839, 219.888

70, 73.629, 79.726

98, 10.419,
198.811

69, 75.107, 78.254

Harmonies

Complementary

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



84, 20.405, 90.580



76, 20.475, 276.984

Rectangle

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



84, 20.405, 90.580



84, 20.405, 140.580



84, 20.405, 270.580



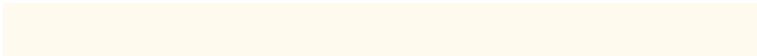
84, 20.405, 320.580

Sweetspot

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



84, 20.406, 90.587



98, 6.603, 92.665



75, 21.954, 357.279



52, 4.293, 92.593



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 20.406, 90.587



93, 26.923, 89.990



87, 27.655, 115.680



46, 4.841, 92.378



55, 62.705, 78.710



14, 21.258, 81.713

Inverse Universe

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



76, 20.475, 276.984



82, 27.039, 277.797



73, 29.138, 299.294



44, 4.856, 274.807



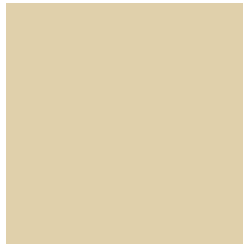
29, 77.436, 298.140



5, 24.908, 287.941

Previews

White Background



This preview shows how the CIELCh color 84, 20.405, 90.580 looks on a white background.

Color Contrast Check

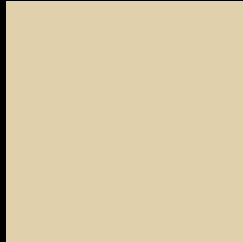
Large Text (above 18pt) WCAG AA × Fail

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 84, 20.405, 90.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

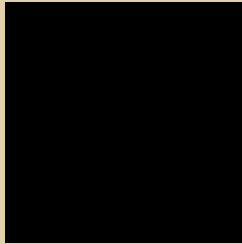
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 20.405, 90.580

Background



This preview shows how black text looks on a background with the CIELCh color 84, 20.405, 90.580.



This preview shows how white text looks on a background with the CIELCh color 84, 20.405, 90.580.

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

84, 20.405, 90.580

Protanopia

84, 20.048, 93.807

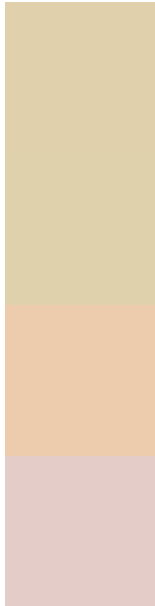
Deuteranopia

84, 22.378, 60.969



Tritanopia
84, 13.232, 340.925

Trichromacy



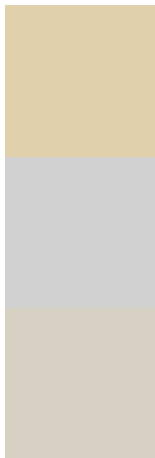
Original Color
84, 20.405, 90.580

Protanomaly
84, 20.153, 92.725

Deuteranomaly
84, 21.138, 72.030

Tritanomaly
84, 9.103, 29.943

Monochromacy



Original Color
84, 20.405, 90.580

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 7.673, 92.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 20.405, 90.580 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, 208, 171)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 171)  
}
```

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, 208, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 20.405, 90.580 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, 208, 171) }
```

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

```
.border{ border-color:rgb(224, 208, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 208, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 208, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 208, 171);  
box-shadow:4px 4px 4px 4px rgb(224, 208,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 20.405, 90.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 171) }
```

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

```
.background{ background-color: rgb(224,  
208, 171) }
```

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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