

Converting Colors

CIELCh(84, 18.456, 72.402)

Have a look what the booklet for
CIELCh(84, 18.456, 72.402) contains.

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Color

CIELCh(84, 18.403, 72.420)

Conversions

Conversions Part 1

Format	Color
Hex	E9CDB1
RGB	233, 205, 177
RGB Percent	91%, 80%, 69%
CMY	0.0868, 0.1966, 0.3064
CMYK	0.00, 0.12, 0.24, 0.09
HSL	30°, 56%, 80%
HSV	30°, 24%, 91%
XYZ	63.2788, 64.0658, 50.5562
YIQ	210.1800, 25.6760, -2.7720

Conversions

Conversions Part 2

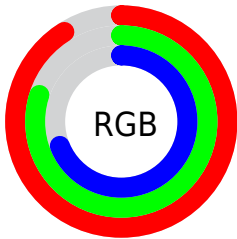
Format	Color
R _Y B	233, 233, 177
Decimal	15322545
CIE Lab	84.00, 5.56, 17.54
CIE LCh	84, 18.403, 72.420
Yxy	64.0658, 0.3557, 0.3601
Android (android.graphics.Color)	4293512625 (0xFFE9CDB1)
YUV	210.1800, -16.3577, 20.0131
Hunter-Lab	80.0411, 1.0464, 18.5795

Details

The CIELCh color $84, 18.403, 72.420$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $81, 17.243, 259.037$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 11.136, 109.335$, and $64, 18.661, 72.720$ is the 20% darker color. If you saturate the color by 10%, you get $81, 26.688, 71.168$, and if you desaturate by 10%, it is $87, 10.497, 73.667$.

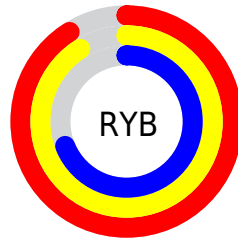
Distribution



Red (91%)

Green (80%)

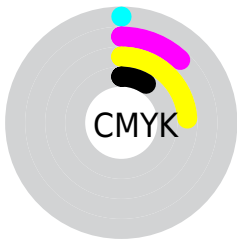
Blue (69%)



Red (91%)

Yellow (91%)

Blue (69%)

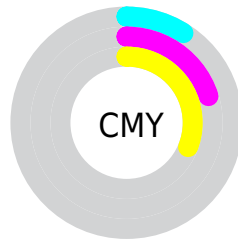


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (20%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 18.403, 72.420 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, 18.403, 72.420 by changing the saturation by 10% instead.

 84, 18.403, 72.420

 84, 18.403, 72.420

 100, 18.403,
72.420

 74, 18.403, 72.420

 64, 18.403, 72.420

 54, 18.403, 72.420

 44, 18.403, 72.420

 34, 18.403, 72.420

 24, 18.403, 72.420

 14, 18.403, 72.420

 4, 18.403, 72.420

 0, 18.403, 72.420

84, 18.403, 72.420

84, 18.403, 72.420

81, 26.688, 71.168

87, 10.497, 73.667

77, 35.348, 69.894

91, 2.949, 74.800

74, 44.332, 68.602

94, 4.270, 256.243

71, 53.493, 67.264

98, 6.569, 215.261

68, 62.500, 65.802

98, 7.569, 199.014

66, 70.694, 64.046

63, 77.010, 61.677

62, 79.824, 59.996

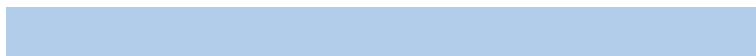
Harmonies

Complementary

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



84, 18.403, 72.420



81, 17.243, 259.037

Rectangle

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



84, 18.403, 72.420



84, 18.403, 122.420



84, 18.403, 252.420



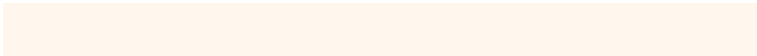
84, 18.403, 302.420

Sweetspot

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



84, 18.403, 72.429



97, 5.538, 74.494



78, 25.434, 345.817



52, 3.604, 74.426



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, 18.403, 72.429



89, 24.186, 71.788



91, 28.688, 107.841



47, 4.225, 74.214



49, 65.893, 60.660



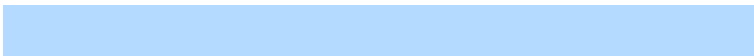
13, 22.178, 60.945

Inverse Universe

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



81, 17.243, 259.037



86, 22.311, 260.004



74, 30.368, 293.007



47, 4.133, 256.728



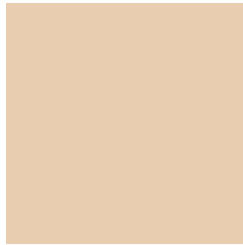
39, 55.776, 284.009



9, 20.586, 275.837

Previews

White Background



This preview shows how the CIELCh color 84, 18.403, 72.420 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, 18.403, 72.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

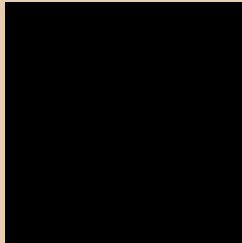
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 18.403, 72.420

Background



This preview shows how black text looks on a background with the CIELCh color 84, 18.403, 72.420.



This preview shows how white text looks on a background with the CIELCh color 84, 18.403, 72.420.

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, 18.403, 72.420

Protanopia

84, 16.294, 93.707

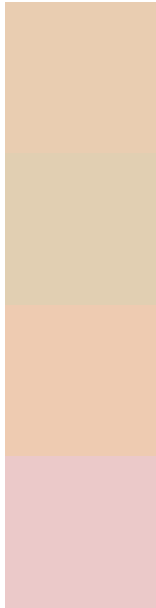
Deuteranopia

84, 20.316, 60.134



Tritanopia
84, 16.269, 349.607

Trichromacy



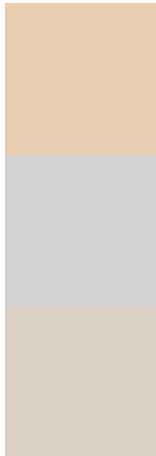
Original Color
84, 18.403, 72.420

Protanomaly
84, 16.770, 84.237

Deuteranomaly
84, 19.478, 64.219

Tritanomaly
84, 12.760, 20.345

Monochromacy



Original Color
84, 18.403, 72.420

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 6.424, 74.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 18.403, 72.420 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(233, 205, 177)` looks like.

```
.text, #text, p{  
    color:rgb(233, 205, 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(233, 205, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 205, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 18.403, 72.420 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(233, 205, 177) }
```

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

```
.border{ border-color:rgb(233, 205, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 205, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 205, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 205, 177);  
box-shadow:4px 4px 4px 4px rgb(233, 205,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 18.403, 72.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 205, 177) }
```

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

```
.background{ background-color: rgb(233,  
205, 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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