

Converting Colors

CIELCh(77, 12.658, 87.656)

Have a look what the booklet for
CIELCh(77, 12.658, 87.656) contains.

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Color

CIELCh(77, 12.654, 87.372)

Conversions

Conversions Part 1

Format	Color
Hex	C9BDA7
RGB	201, 189, 167
RGB Percent	79%, 74%, 65%
CMY	0.2122, 0.2593, 0.3455
CMYK	0.00, 0.06, 0.17, 0.21
HSL	39°, 24%, 72%
HSV	39°, 17%, 79%
XYZ	49.1924, 51.5317, 43.8579
YIQ	190.0800, 14.2140, -4.2980

Conversions

Conversions Part 2

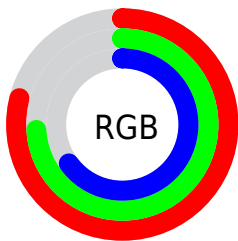
Format	Color
R _{YB}	186, 201, 167
Decimal	13221287
CIE _{Lab}	77.00, 0.58, 12.64
CIE _{LCh}	77, 12.654, 87.372
Yxy	51.5317, 0.3402, 0.3564
Android (android.graphics.Color)	4291411367 (0xFFC9BDA7)
YUV	190.0800, -11.3784, 9.5768
Hunter-Lab	71.7856, -3.3045, 14.0263

Details

The CIELCh color $77, 12.654, 87.372$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73, 12.564, 271.912$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 12.268, 91.846$, and $57, 12.790, 87.576$ is the 20% darker color. If you saturate the color by 10%, you get $75, 20.373, 86.071$, and if you desaturate by 10%, it is $79, 5.111, 88.630$.

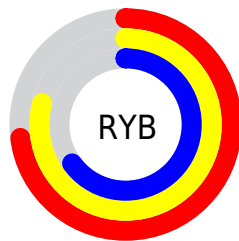
Distribution



Red (79%)

Green (74%)

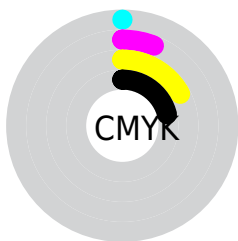
Blue (65%)



Red (73%)

Yellow (79%)

Blue (65%)

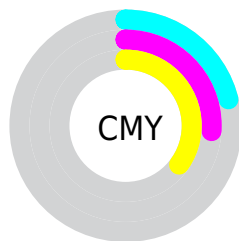


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (21%)



Cyan (21%)

Magenta (26%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 12.654, 87.372 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 77, 12.654, 87.372 by changing the saturation by 10% instead.

■ 77, 12.654, 87.372

■ 77, 12.654, 87.372

■ 100, 12.654,
87.372

■ 67, 12.654, 87.372

■ 97, 12.654, 87.372

■ 57, 12.654, 87.372

■ 47, 12.654, 87.372

■ 37, 12.654, 87.372

■ 27, 12.654, 87.372

■ 17, 12.654, 87.372

■ 7, 12.654, 87.372

■ 0, 12.654, 87.372

■ 77, 12.654, 87.372

■ 77, 12.654, 87.372

75, 20.373, 86.071

79, 5.111, 88.630

73, 28.242, 84.716

82, 2.258, 270.025

70, 36.208, 83.319

84, 9.457, 271.121

68, 44.150, 81.873

86, 16.499,
272.241

66, 51.833, 80.349

88, 17.535,
265.480

64, 58.835, 78.685

90, 15.581,
251.089

63, 64.476, 76.754

61, 68.015, 74.373

92, 14.804,
234.135

60, 68.929, 73.617

94, 15.351,
217.061

96, 17.068,
202.410

Harmonies

Complementary

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



77, 12.654, 87.372



73, 12.564, 271.912

Rectangle

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



77, 12.654, 87.372



77, 12.654, 137.372



77, 12.654, 267.372



77, 12.654, 317.372

Sweetspot

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



77, 12.655, 87.382



99, 4.467, 88.843



72, 14.573, 353.117



52, 3.051, 88.762



0, 0.000, 0.000



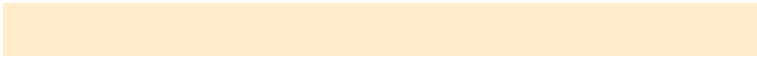
53, 0.007, 296.813

Same Dimension

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



77, 12.655, 87.382



94, 18.226, 86.947



80, 18.068, 114.117



41, 4.167, 88.333



50, 59.076, 74.113



9, 13.748, 76.334

Inverse Universe

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



73, 12.564, 271.912



88, 18.059, 272.454



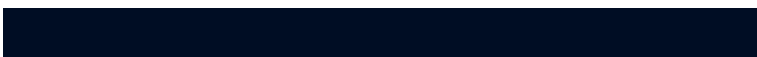
70, 18.758, 296.854



39, 4.158, 270.802



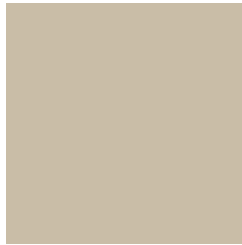
28, 67.205, 295.115



4, 16.363, 280.018

Previews

White Background



This preview shows how the CIELCh color 77, 12.654, 87.372 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 77, 12.654, 87.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

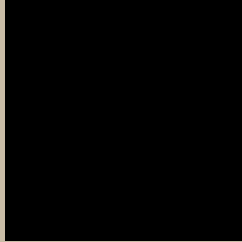
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 12.654, 87.372

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.654, 87.372.

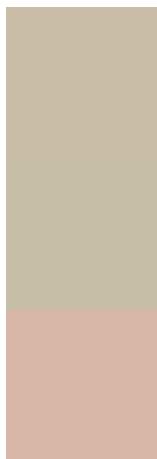


This preview shows how white text looks on a background with the CIELCh color 77, 12.654, 87.372.

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

77, 12.654, 87.372

Protanopia

77, 12.769, 93.104

Deuteranopia

77, 15.344, 51.583



Tritanopia
77, 11.197, 334.374

Trichromacy



Original Color
77, 12.654, 87.372

Protanomaly
77, 12.882, 91.426

Deuteranomaly
77, 13.716, 61.274

Tritanomaly
77, 6.792, 15.377

Monochromacy



Original Color
77, 12.654, 87.372

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.521, 90.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.654, 87.372 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(201, 189, 167)` looks like.

```
.text, #text, p{  
    color:rgb(201, 189, 167)  
}
```

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(201, 189, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 189, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.654, 87.372 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(201, 189, 167) }
```

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

```
.border{ border-color:rgb(201, 189, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 189, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 189, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 189, 167); box-shadow:4px 4px 4px 4px rgb(201, 189, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.654, 87.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 189, 167) }
```

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

```
.background{ background-color: rgb(201,  
189, 167) }
```

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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