

Converting Colors

CIELCh(77, 9.862, 96.914)

Have a look what the booklet for
CIELCh(77, 9.862, 96.914) contains.

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Color

CIELCh(77, 9.884, 95.773)

Conversions

Conversions Part 1

Format	Color
Hex	C4BEAC
RGB	196, 190, 172
RGB Percent	77%, 75%, 67%
CMY	0.2314, 0.2549, 0.3255
CMYK	0.00, 0.03, 0.12, 0.23
HSL	45°, 17%, 72%
HSV	45°, 12%, 77%
XYZ	48.6159, 51.5317, 46.4060
YIQ	189.7420, 9.3540, -4.3260

Conversions

Conversions Part 2

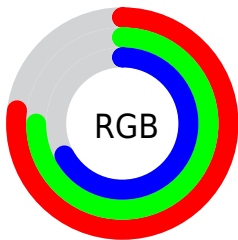
Format	Color
RYB	180, 196, 172
Decimal	12893868
CIELab	77.00, -0.99, 9.83
CIELCh	77, 9.884, 95.773
Yxy	51.5317, 0.3317, 0.3516
Android (android.graphics.Color)	4291083948 (0xFFC4BEAC)
YUV	189.7420, -8.7468, 5.4883
Hunter-Lab	71.7856, -4.7381, 11.9217

Details

The CIELCh color $77, 9.884, 95.773$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73, 9.973, 278.803$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 9.992, 94.654$, and $57, 9.858, 96.948$ is the 20% darker color. If you saturate the color by 10%, you get $75, 18.067, 94.572$, and if you desaturate by 10%, it is $79, 1.794, 96.881$.

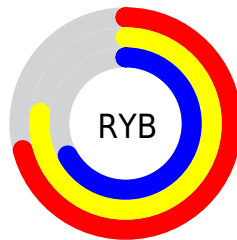
Distribution



Red (77%)

Green (75%)

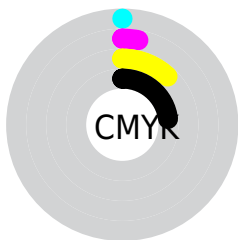
Blue (67%)



Red (71%)

Yellow (77%)

Blue (67%)

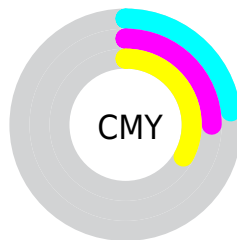


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (23%)



Cyan (23%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 9.884, 95.773 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, 9.884, 95.773 by changing the saturation by 10% instead.

■ 77, 9.884, 95.773

■ 77, 9.884, 95.773

■ 100, 9.884, 95.773

■ 67, 9.884, 95.773

■ 97, 9.884, 95.773

■ 57, 9.884, 95.773

■ 47, 9.884, 95.773

■ 37, 9.884, 95.773

■ 27, 9.884, 95.773

■ 17, 9.884, 95.773

■ 7, 9.884, 95.773

■ 0, 9.884, 95.773

■ 77, 9.884, 95.773

■ 77, 9.884, 95.773

75, 18.067, 94.572

79, 1.794, 96.881

74, 26.305, 93.319

81, 6.193, 278.149

72, 34.537, 92.034

82, 14.072,
279.221

70, 42.641, 90.720

84, 21.844,
280.255

69, 50.402, 89.371

68, 57.456, 87.968

86, 21.940,
276.085

66, 63.241, 86.467

87, 19.919,
269.277

65, 67.065, 84.782

64, 68.749, 83.337

88, 18.233,
261.140

89, 16.973,
251.649

91, 16.231,
241.048

Harmonies

Complementary

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



77, 9.884, 95.773



73, 9.973, 278.803

Rectangle

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



77, 9.884, 95.773



77, 9.884, 145.773



77, 9.884, 275.773



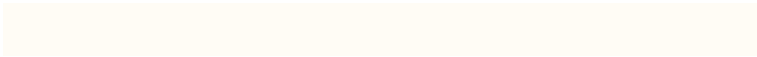
77, 9.884, 325.773

Sweetspot

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



77, 9.885, 95.784



99, 3.970, 96.715



73, 9.687, 0.652



53, 2.824, 96.635



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, 9.885, 95.784



97, 15.023, 95.427



78, 12.991, 119.155



40, 4.525, 96.123



53, 59.396, 83.668



9, 13.663, 88.175

Inverse Universe

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



73, 9.973, 278.803



90, 15.180, 279.222



72, 13.318, 300.714



38, 4.560, 278.419



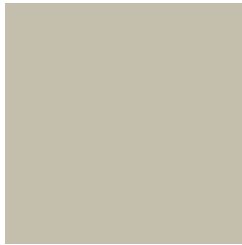
24, 77.299, 300.287



3, 16.124, 283.287

Previews

White Background



This preview shows how the CIELCh color 77, 9.884, 95.773 looks on a white background.

Color Contrast Check

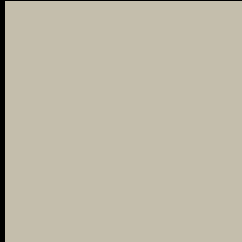
Large Text (above 18pt) WCAG AA × Fail

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, 9.884, 95.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

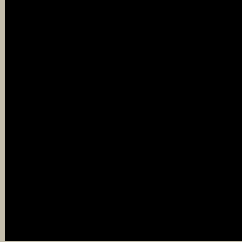
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

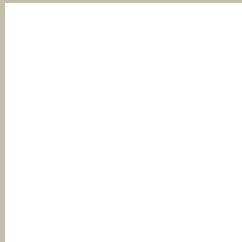
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 9.884, 95.773

Background



This preview shows how black text looks on a background with the CIELCh color 77, 9.884, 95.773.

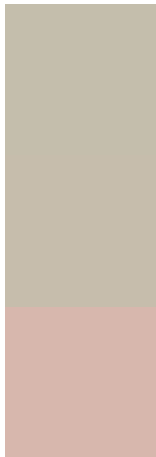


This preview shows how white text looks on a background with the CIELCh color 77, 9.884, 95.773.

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, 9.884, 95.773

Protanopia

77, 9.721, 88.422

Deuteranopia

77, 13.611, 43.299



Tritanopia
77, 9.141, 324.795

Trichromacy



Original Color
77, 9.884, 95.773

Protanomaly
77, 9.590, 90.589

Deuteranomaly
77, 11.025, 58.825

Tritanomaly
77, 4.761, 359.974

Monochromacy



Original Color
77, 9.884, 95.773

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 3.809, 98.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 9.884, 95.773 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(196, 190, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 190, 172)  
}
```

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(196, 190, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 190, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 9.884, 95.773 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(196, 190, 172) }
```

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

```
.border{ border-color:rgb(196, 190, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 190, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 190, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 190, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 190,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 9.884, 95.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 190, 172) }
```

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

```
.background{ background-color: rgb(196,  
190, 172) }
```

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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