

Converting Colors

CIELCh(71, 21.022, 77.647)

Have a look what the booklet for
CIELCh(71, 21.022, 77.647) contains.

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Color

CIELCh(71, 20.996, 77.666)

Conversions

Conversions Part 1

Format	Color
Hex	C4AA89
RGB	196, 170, 137
RGB Percent	77%, 67%, 54%
CMY	0.2322, 0.3341, 0.4635
CMYK	0.00, 0.13, 0.30, 0.23
HSL	34°, 33%, 65%
HSV	34°, 30%, 77%
XYZ	41.5539, 42.1875, 29.5505
YIQ	174.0120, 26.0890, -4.7510

Conversions

Conversions Part 2

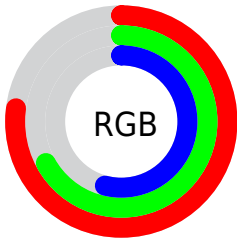
Format	Color
RYB	183, 196, 137
Decimal	12888713
CIELab	71.00, 4.48, 20.51
CIElCh	71, 20.996, 77.666
Yxy	42.1875, 0.3668, 0.3724
Android (android.graphics.Color)	4291078793 (0xFFC4AA89)
YUV	174.0120, -18.2469, 19.2835
Hunter-Lab	64.9519, 0.5321, 18.4918

Details

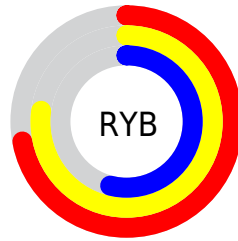
The CIELCh color $71, 20.996, 77.666$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $66, 19.917, 266.350$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 20.674, 77.283$, and $51, 20.872, 78.105$ is the 20% darker color. If you saturate the color by 10%, you get $68, 28.473, 76.328$, and if you desaturate by 10%, it is $74, 13.769, 78.986$.

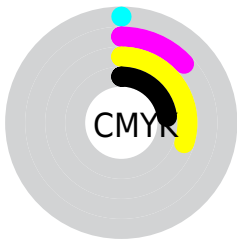
Distribution



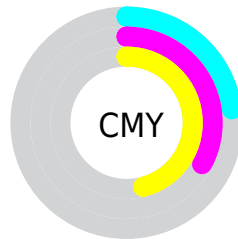
- Red (77%)
- Green (67%)
- Blue (54%)



- Red (72%)
- Yellow (77%)
- Blue (54%)



- Cyan (0%)
- Magenta (13%)
- Yellow (30%)
- Black (23%)



- Cyan (23%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 20.996, 77.666 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 71, 20.996, 77.666 by changing the saturation by 10% instead.

■ 71, 20.996, 77.666

■ 71, 20.996, 77.666

■ 100, 20.996,
77.666

■ 61, 20.996, 77.666

■ 91, 20.996, 77.666

■ 51, 20.996, 77.666

■ 41, 20.996, 77.666

■ 31, 20.996, 77.666

■ 21, 20.996, 77.666

■ 11, 20.996, 77.666

■ 1, 20.996, 77.666

■ 0, 20.996, 77.666

■ 71, 20.996, 77.666

■ 71, 20.996, 77.666

68, 28.473, 76.328

74, 13.769, 78.986

66, 36.159, 74.950

76, 6.799, 80.253

63, 43.948, 73.522

79, 0.074, 77.300

61, 51.610, 71.998

82, 6.422, 262.816

59, 58.701, 70.273

85, 12.711,
263.960

57, 64.473, 68.141

87, 18.814,
265.073

55, 68.496, 65.545

90, 16.806,
249.329

92, 16.115,
230.099

94, 17.211,
211.528

Harmonies

Complementary

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



71, 20.996, 77.666



66, 19.917, 266.350

Rectangle

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



71, 20.996, 77.666



71, 20.996, 127.666



71, 20.996, 257.666



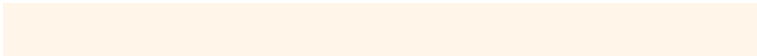
71, 20.996, 307.666

Sweetspot

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



71, 20.996, 77.673



97, 7.475, 80.373



64, 26.967, 349.384



51, 5.209, 80.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 20.996, 77.673



88, 31.459, 76.810



78, 31.138, 109.483



40, 3.770, 80.346



45, 59.051, 66.115



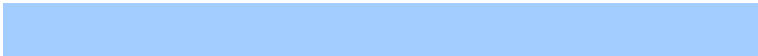
7, 11.666, 65.232

Inverse Universe

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



66, 19.917, 266.350



81, 29.475, 267.710



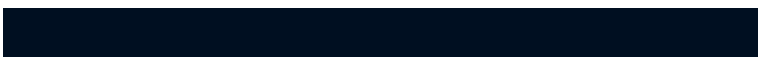
59, 33.481, 295.500



39, 3.721, 262.860



32, 56.773, 288.889



4, 13.643, 273.878

Previews

White Background



This preview shows how the CIELCh color 71, 20.996, 77.666 looks on a white background.

Color Contrast Check

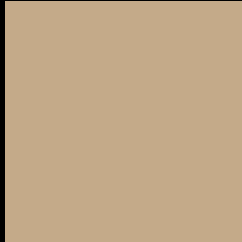
Large Text (above 18pt) WCAG AA × Fail

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 71, 20.996, 77.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

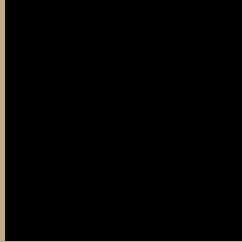
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 20.996, 77.666

Background



This preview shows how black text looks on a background with the CIELCh color 71, 20.996, 77.666.



This preview shows how white text looks on a background with the CIELCh color 71, 20.996, 77.666.

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

71, 20.996, 77.666

Protanopia

71, 19.493, 94.993

Deuteranopia

71, 22.313, 66.587



Tritanopia
71, 15.425, 353.599

Trichromacy



Original Color
71, 20.996, 77.666

Protanomaly
71, 19.758, 87.693

Deuteranomaly
71, 21.598, 70.690

Tritanomaly
71, 12.788, 30.186

Monochromacy



Original Color
71, 20.996, 77.666

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 7.594, 78.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 20.996, 77.666 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, 170, 137)` looks like.

```
.text, #text, p{  
    color:rgb(196, 170, 137)  
}
```

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, 170, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 170, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 20.996, 77.666 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, 170, 137) }
```

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

```
.border{ border-color:rgb(196, 170, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 170, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 170, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 170, 137);  
box-shadow:4px 4px 4px 4px rgb(196, 170,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 20.996, 77.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 170, 137) }
```

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

```
.background{ background-color: rgb(196,  
170, 137) }
```

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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