

Converting Colors

CIELCh(70, 22.586, 64.171)

Have a look what the booklet for
CIELCh(70, 22.586, 64.171) contains.

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Color

CIELCh(70, 22.586, 64.171)

Conversions

Conversions Part 1

Format	Color
Hex	CAA487
RGB	202, 164, 135
RGB Percent	79%, 64%, 53%
CMY	0.2087, 0.3576, 0.4713
CMYK	0.00, 0.19, 0.33, 0.21
HSL	26°, 39%, 66%
HSV	26°, 33%, 79%
XYZ	41.8982, 40.7494, 28.5071
YIQ	172.0560, 31.9570, -0.9630

Conversions

Conversions Part 2

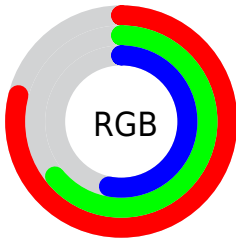
Format	Color
RYB	202, 186, 135
Decimal	13280391
CIELab	70.00, 9.84, 20.33
CIElCh	70, 22.586, 64.171
Yxy	40.7494, 0.3769, 0.3666
Android (android.graphics.Color)	4291470471 (0xFFCAA487)
YUV	172.0560, -18.2686, 26.2609
Hunter-Lab	63.8353, 5.4465, 18.2074

Details

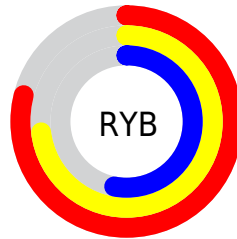
The CIELCh color **70, 22.586, 64.171** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **69, 19.783, 252.836**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 21.410, 68.144**, and **50, 22.709, 63.601** is the 20% darker color. If you saturate the color by 10%, you get **67, 30.275, 63.120**, and if you desaturate by 10%, it is **73, 15.320, 65.253**.

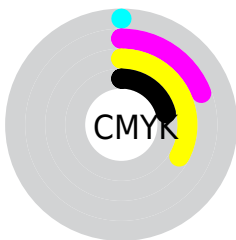
Distribution



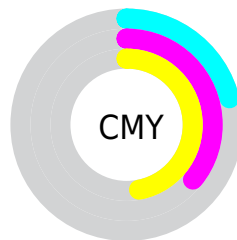
- Red (79%)
- Green (64%)
- Blue (53%)



- Red (79%)
- Yellow (73%)
- Blue (53%)



- Cyan (0%)
- Magenta (19%)
- Yellow (33%)
- Black (21%)



- Cyan (21%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 22.586, 64.171 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 70, 22.586, 64.171 by changing the saturation by 10% instead.

■ 70, 22.586, 64.171

■ 70, 22.586, 64.171

■ 100, 22.586,
64.171

■ 60, 22.586, 64.171

■ 90, 22.586, 64.171

■ 50, 22.586, 64.171

■ 40, 22.586, 64.171

■ 30, 22.586, 64.171

■ 20, 22.586, 64.171

■ 10, 22.586, 64.171

■ 0, 22.586, 64.171

■ 70, 22.586, 64.171

■ 70, 22.586, 64.171

■ 67, 30.275, 63.120

■ 73, 15.320, 65.253

64, 38.370, 62.080

77, 8.465, 66.328

61, 46.781, 61.040

80, 1.988, 67.265

58, 55.281, 59.934

84, 4.146, 248.670

55, 63.369, 58.600

87, 9.975, 249.684

53, 70.127, 56.710

91, 15.203,
249.522

51, 73.868, 55.167

94, 14.846,
221.394

97, 17.554,
198.342

Harmonies

Complementary

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



70, 22.586, 64.171



69, 19.783, 252.836

Rectangle

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



70, 22.586, 64.171



70, 22.586, 114.171



70, 22.586, 244.171



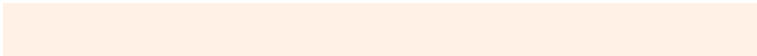
70, 22.586, 294.171

Sweetspot

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



70, 22.586, 64.178



96, 7.690, 66.649



64, 33.017, 342.244



51, 5.268, 66.500



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 22.586, 64.178



84, 33.640, 63.397



78, 32.423, 103.135



41, 3.632, 66.724



42, 63.563, 55.739



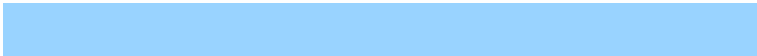
7, 14.493, 49.739

Inverse Universe

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



69, 19.783, 252.836



82, 28.485, 254.426



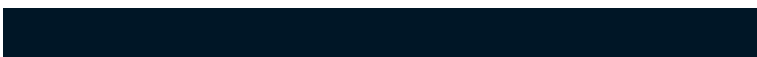
60, 34.680, 291.016



41, 3.517, 249.014



39, 45.315, 276.222



6, 13.916, 264.283

Previews

White Background



This preview shows how the CIELCh color 70, 22.586, 64.171 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 70, 22.586, 64.171 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 70, 22.586, 64.171

Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.586, 64.171.



This preview shows how white text looks on a background with the CIELCh color 70, 22.586, 64.171.

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

70, 22.586, 64.171

Protanopia

70, 18.501, 94.337

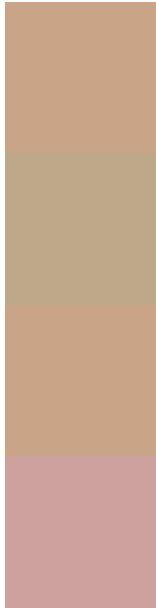
Deuteranopia

70, 21.980, 65.688



Tritanopia
70, 19.268, 1.512

Trichromacy



Original Color
70, 22.586, 64.171

Protanomaly
70, 19.032, 81.503

Deuteranomaly
70, 22.281, 64.919

Tritanomaly
70, 17.209, 26.313

Monochromacy



Original Color
70, 22.586, 64.171

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 8.126, 67.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 22.586, 64.171 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(202, 164, 135)` looks like.

```
.text, #text, p{  
    color:rgb(202, 164, 135)  
}
```

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(202, 164, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 164, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 22.586, 64.171 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(202, 164, 135) }
```

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

```
.border{ border-color:rgb(202, 164, 135) }
```

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

Here you see how a box with a 4 pixel rgb(202, 164, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 164, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 164, 135);  
box-shadow:4px 4px 4px 4px rgb(202, 164,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 22.586, 64.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 164, 135) }
```

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

```
.background{ background-color: rgb(202,  
164, 135) }
```

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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