

Converting Colors

CIELCh(71, 45.403, 87.380)

Have a look what the booklet for
CIELCh(71, 45.403, 87.380) contains.

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Color

CIELCh(71, 45.264, 87.042)

Conversions

Conversions Part 1

Format	Color
Hex	CBAA5A
RGB	203, 170, 90
RGB Percent	80%, 67%, 35%
CMY	0.2039, 0.3333, 0.6470
CMYK	0.00, 0.16, 0.56, 0.20
HSL	42°, 52%, 57%
HSV	42°, 56%, 80%
XYZ	40.8519, 42.1875, 15.6642
YIQ	170.7470, 45.3480, -17.8840

Conversions

Conversions Part 2

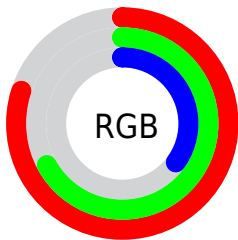
Format	Color
RYB	137, 203, 90
Decimal	13347418
CIELab	71.00, 2.34, 45.20
CIElCh	71, 45.264, 87.042
Yxy	42.1875, 0.4139, 0.4274
Android (android.graphics.Color)	4291537498 (0xFFCBAA5A)
YUV	170.7470, -39.8083, 28.2859
Hunter-Lab	64.9519, -1.3971, 31.1676

Details

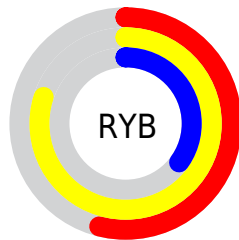
The CIELCh color **71, 45.264, 87.042** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **53, 46.655, 284.678**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 44.285, 90.537**, and **51, 45.170, 87.041** is the 20% darker color. If you saturate the color by 10%, you get **69, 53.027, 85.601**, and if you desaturate by 10%, it is **73, 37.133, 88.434**.

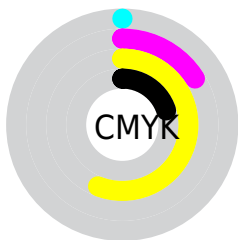
Distribution



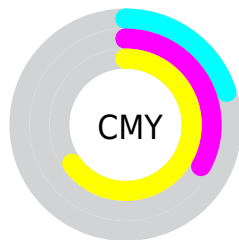
- Red (80%)
- Green (67%)
- Blue (35%)



- Red (54%)
- Yellow (80%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (56%)
- Black (20%)



- Cyan (20%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 45.264, 87.042 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, 45.264, 87.042 by changing the saturation by 10% instead.

■ 71, 45.264, 87.042

■ 71, 45.264, 87.042

■ 100, 45.264,
87.042

■ 61, 45.264, 87.042

■ 91, 45.264, 87.042

■ 51, 45.264, 87.042

■ 41, 45.264, 87.042

■ 31, 45.264, 87.042

■ 21, 45.264, 87.042

■ 11, 45.264, 87.042

■ 1, 45.264, 87.042

■ 0, 45.264, 87.042

■ 71, 45.264, 87.042

■ 71, 45.264, 87.042

69, 53.027, 85.601

73, 37.133, 88.434

68, 59.991, 84.059

75, 28.882, 89.782

66, 65.500, 82.338

77, 20.648, 91.092

64, 68.814, 80.298

79, 12.502, 92.361

64, 69.835, 79.358

81, 4.476, 93.564

83, 3.417, 274.863

85, 11.176,
275.959

87, 18.805,
277.039

88, 17.627,
269.218

Harmonies

Complementary

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



71, 45.264, 87.042



53, 46.655, 284.678

Rectangle

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



71, 45.264, 87.042



71, 45.264, 137.042



71, 45.264, 267.042



71, 45.264, 317.042

Sweetspot

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



71, 45.264, 87.046



96, 16.351, 92.166



53, 48.286, 3.903



51, 10.955, 91.910



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, 45.264, 87.046



85, 64.919, 85.267



78, 58.033, 114.378



42, 4.520, 93.127



53, 60.115, 79.751



11, 15.952, 83.193

Inverse Universe

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



53, 46.655, 284.678



58, 68.681, 288.284



46, 66.963, 303.435



40, 4.538, 275.513



26, 74.819, 298.468



3, 18.878, 283.782

Previews

White Background



This preview shows how the CIELCh color 71, 45.264, 87.042 looks on a white background.

Color Contrast Check

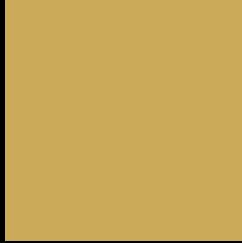
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 45.264, 87.042 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, 45.264, 87.042

Background



This preview shows how black text looks on a background with the CIELCh color 71, 45.264, 87.042.

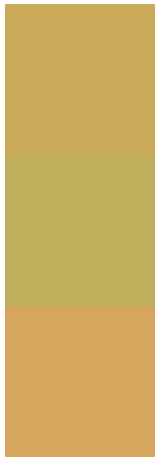


This preview shows how white text looks on a background with the CIELCh color 71, 45.264, 87.042.

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, 45.264, 87.042

Protanopia

71, 44.713, 95.580

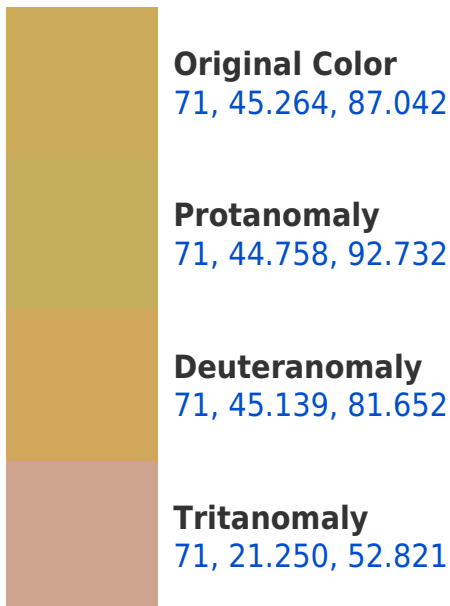
Deuteranopia

71, 45.793, 78.955



Tritanopia
71, 19.966, 2.342

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 45.264, 87.042 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(203, 170, 90)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 90)  
}
```

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(203, 170, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 45.264, 87.042 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(203, 170, 90) }
```

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

```
.border{ border-color:rgb(203, 170, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 90);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 45.264, 87.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 90) }
```

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

```
.background{ background-color: rgb(203,  
170, 90) }
```

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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