

Converting Colors

CIELCh(66, 43.098, 74.112)

Have a look what the booklet for
CIELCh(66, 43.098, 74.112) contains.

CIELCh(66, 42.941, 73.984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 42.941, 73.984)

Conversions

Conversions Part 1

Format	Color
Hex	CA9756
RGB	202, 151, 86
RGB Percent	79%, 59%, 34%
CMY	0.2082, 0.4081, 0.6630
CMYK	0.00, 0.25, 0.57, 0.21
HSL	34°, 52%, 56%
HSV	34°, 57%, 79%
XYZ	37.0649, 35.3238, 13.6533
YIQ	158.8390, 51.2610, -9.4030

Conversions

Conversions Part 2

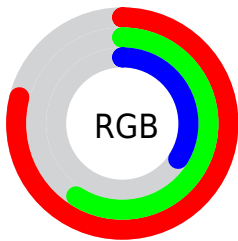
Format	Color
RYB	177, 202, 86
Decimal	13277014
CIELab	66.00, 11.85, 41.27
CIELCh	66, 42.941, 73.984
Yxy	35.3238, 0.4308, 0.4105
Android (android.graphics.Color)	4291467094 (0xFFCA9756)
YUV	158.8390, -35.9096, 37.8522
Hunter-Lab	59.4338, 7.3093, 27.9834

Details

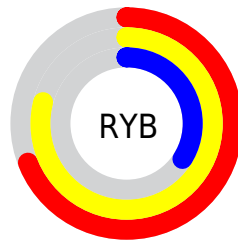
The CIELCh color **66, 42.941, 73.984** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **56, 38.876, 273.359**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 41.517, 76.974**, and **46, 43.122, 73.743** is the 20% darker color. If you saturate the color by 10%, you get **64, 50.859, 72.492**, and if you desaturate by 10%, it is **69, 34.967, 75.404**.

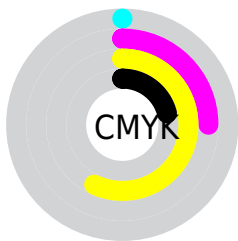
Distribution



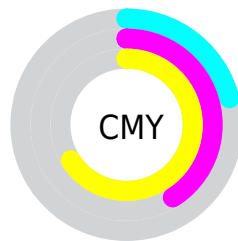
- Red (79%)
- Green (59%)
- Blue (34%)



- Red (69%)
- Yellow (79%)
- Blue (34%)



- Cyan (0%)
- Magenta (25%)
- Yellow (57%)
- Black (21%)



- Cyan (21%)
- Magenta (41%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 42.941, 73.984 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 66, 42.941, 73.984 by changing the saturation by 10% instead.

 66, 42.941, 73.984

 66, 42.941, 73.984

 100, 42.941,
73.984

 56, 42.941, 73.984

 86, 42.941, 73.984

 46, 42.941, 73.984


 96, 42.941, 73.984

 36, 42.941, 73.984

 26, 42.941, 73.984

 16, 42.941, 73.984

 6, 42.941, 73.984

 0, 42.941, 73.984

 66, 42.941, 73.984

 66, 42.941, 73.984

 64, 50.859, 72.492

 69, 34.967, 75.404

61, 58.331, 70.827

71, 27.134, 76.777

59, 64.667, 68.818

74, 19.530, 78.118

57, 69.057, 66.219

76, 12.186, 79.425

56, 70.086, 65.554

79, 5.102, 80.672

82, 1.734, 262.168

85, 8.341, 263.225

88, 14.743,
264.366

90, 15.514,
253.401

Harmonies

Complementary

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



66, 42.941, 73.984



56, 38.876, 273.359

Rectangle

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



66, 42.941, 73.984



66, 42.941, 123.984



66, 42.941, 253.984



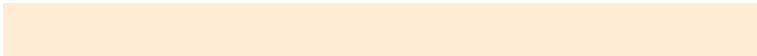
66, 42.941, 303.984

Sweetspot

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



66, 42.941, 73.988



94, 14.348, 79.452



53, 51.755, 353.497



50, 9.634, 79.189



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 42.941, 73.988



78, 62.942, 72.096



79, 58.579, 107.258



42, 3.936, 80.437



47, 60.428, 66.107



9, 14.485, 65.675

Inverse Universe

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



56, 38.876, 273.359



64, 56.450, 277.581



43, 69.137, 300.094



41, 3.885, 262.966



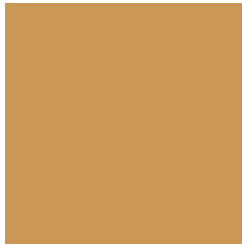
33, 58.357, 289.082



5, 16.286, 275.970

Previews

White Background



This preview shows how the CIELCh color 66, 42.941, 73.984 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 66, 42.941, 73.984 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 66, 42.941, 73.984

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.941, 73.984.



This preview shows how white text looks on a background with the CIELCh color 66, 42.941, 73.984.

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

66, 42.941, 73.984

Protanopia

66, 39.540, 95.730

Deuteranopia

66, 42.478, 78.380



Tritanopia
66, 26.108, 8.850

Trichromacy



Original Color
66, 42.941, 73.984

Protanomaly
66, 39.814, 87.199

Deuteranomaly
66, 42.782, 76.549

Tritanomaly
66, 26.897, 41.658

Monochromacy



Original Color
66, 42.941, 73.984

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.451, 78.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.941, 73.984 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, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(202, 151, 86)  
}
```

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, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 151, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.941, 73.984 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, 151, 86) }
```

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

```
.border{ border-color:rgb(202, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(202, 151,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.941, 73.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 151, 86) }
```

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

```
.background{ background-color: rgb(202,  
151, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor