

Converting Colors

CIELCh(73, 50.553, 79.684)

Have a look what the booklet for
CIELCh(73, 50.553, 79.684) contains.

CIELCh(73, 50.766, 79.672)	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(73, 50.766, 79.672)

Conversions

Conversions Part 1

Format	Color
Hex	DDAB56
RGB	221, 171, 86
RGB Percent	87%, 67%, 34%
CMY	0.1334, 0.3294, 0.6628
CMYK	0.00, 0.23, 0.61, 0.13
HSL	38°, 66%, 60%
HSV	38°, 61%, 87%
XYZ	46.0558, 45.1644, 15.0922
YIQ	176.2600, 57.0850, -15.8350

Conversions

Conversions Part 2

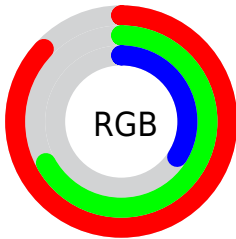
Format	Color
RYB	165, 221, 86
Decimal	14527318
CIELab	73.00, 9.10, 49.94
CIELCh	73, 50.766, 79.672
Yxy	45.1644, 0.4332, 0.4248
Android (android.graphics.Color)	4292717398 (0xFFDDAB56)
YUV	176.2600, -44.4982, 39.2370
Hunter-Lab	67.2044, 4.7199, 33.7283

Details

The CIELCh color **73, 50.766, 79.672** 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 **57, 49.301, 280.670**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 46.515, 91.607**, and **53, 50.771, 79.398** is the 20% darker color. If you saturate the color by 10%, you get **71, 58.863, 78.079**, and if you desaturate by 10%, it is **75, 42.263, 81.166**.

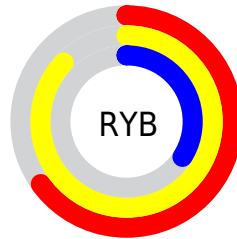
Distribution



Red (87%)

Green (67%)

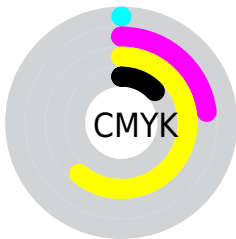
Blue (34%)



Red (65%)

Yellow (87%)

Blue (34%)

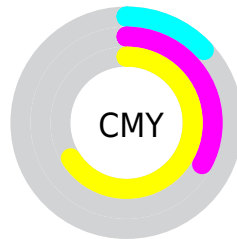


Cyan (0%)

Magenta (23%)

Yellow (61%)

Black (13%)



Cyan (13%)

Magenta (33%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 50.766, 79.672 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 73, 50.766, 79.672 by changing the saturation by 10% instead.

 73, 50.766, 79.672

 73, 50.766, 79.672

 100, 50.766,
79.672

 63, 50.766, 79.672

 93, 50.766, 79.672

 53, 50.766, 79.672

 43, 50.766, 79.672

 33, 50.766, 79.672

 23, 50.766, 79.672

 13, 50.766, 79.672

 3, 50.766, 79.672

 0, 50.766, 79.672

 73, 50.766, 79.672

 73, 50.766, 79.672

71, 58.863, 78.079

75, 42.263, 81.166

69, 65.974, 76.280

78, 33.681, 82.596

67, 71.243, 74.099

80, 25.190, 83.982

65, 74.105, 71.753

83, 16.869, 85.326

85, 8.750, 86.620

88, 0.839, 87.575

90, 6.872, 269.180

93, 10.785,
262.015

95, 9.480, 233.248

Harmonies

Complementary

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



73, 50.766, 79.672



57, 49.301, 280.670

Rectangle

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



73, 50.766, 79.672



73, 50.766, 129.672



73, 50.766, 259.672



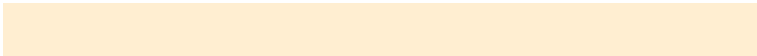
73, 50.766, 309.672

Sweetspot

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



73, 50.766, 79.676



95, 16.109, 85.713



56, 57.330, 359.065



50, 11.238, 85.328



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 50.766, 79.676



80, 67.700, 77.654



85, 66.642, 110.213



45, 4.442, 86.828



52, 61.811, 72.319



12, 19.058, 74.633

Inverse Universe

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



57, 49.301, 280.670



59, 66.852, 284.896



45, 79.432, 302.264



43, 4.422, 269.344



31, 68.589, 294.213



5, 21.697, 283.525

Previews

White Background



This preview shows how the CIELCh color 73, 50.766, 79.672 looks on a white background.

Color Contrast Check

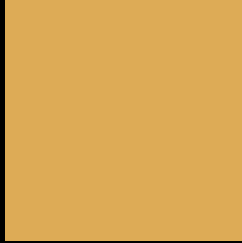
Large Text (above 18pt) WCAG AA × Fail

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 73, 50.766, 79.672 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 73, 50.766, 79.672

Background



This preview shows how black text looks on a background with the CIELCh color 73, 50.766, 79.672.



This preview shows how white text looks on a background with the CIELCh color 73, 50.766, 79.672.

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

73, 50.766, 79.672

Protanopia

73, 48.358, 96.107

Deuteranopia

73, 50.766, 79.672

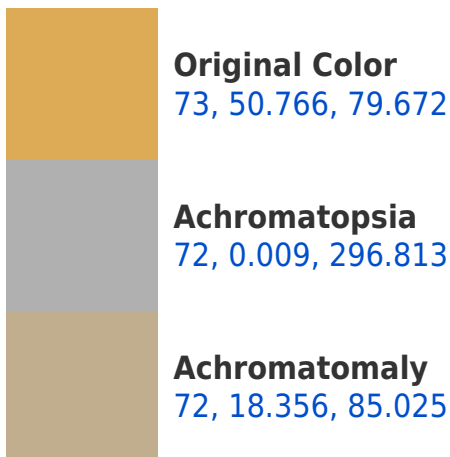


Tritanopia
73, 26.863, 6.973

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 50.766, 79.672 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(221, 171, 86)` looks like.

```
.text, #text, p{  
    color:rgb(221, 171, 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(221, 171, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 171, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 50.766, 79.672 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(221, 171, 86) }
```

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

```
.border{ border-color:rgb(221, 171, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 171, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 171, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 171, 86);  
box-shadow:4px 4px 4px 4px rgb(221, 171,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 50.766, 79.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 171, 86) }
```

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

```
.background{ background-color: rgb(221,  
171, 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