

Converting Colors

CIELCh(73, 45.642, 86.895)

Have a look what the booklet for
CIELCh(73, 45.642, 86.895) contains.

CIELCh(73, 45.707, 86.833)	3
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Color

CIELCh(73, 45.707, 86.833)

Conversions

Conversions Part 1

Format	Color
Hex	D1AF5E
RGB	209, 175, 94
RGB Percent	82%, 69%, 37%
CMY	0.1793, 0.3127, 0.6304
CMYK	0.00, 0.16, 0.55, 0.18
HSL	42°, 56%, 60%
HSV	42°, 55%, 82%
XYZ	43.7807, 45.1644, 17.0553
YIQ	175.9320, 46.2650, -17.9830

Conversions

Conversions Part 2

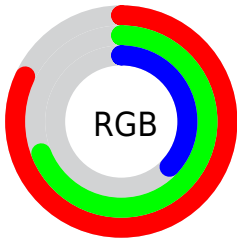
Format	Color
RYB	142, 209, 94
Decimal	13741918
CIELab	73.00, 2.53, 45.64
CIELCh	73, 45.707, 86.833
Yxy	45.1644, 0.4130, 0.4261
Android (android.graphics.Color)	4291931998 (0xFFD1AF5E)
YUV	175.9320, -40.3925, 29.0006
Hunter-Lab	67.2044, -1.3231, 31.9963

Details

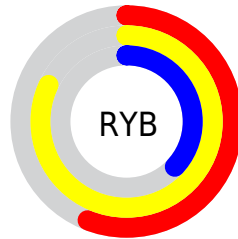
The CIELCh color **73, 45.707, 86.833** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **55, 46.948, 284.270**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.032, 93.318**, and **53, 45.686, 86.886** is the 20% darker color. If you saturate the color by 10%, you get **71, 53.695, 85.387**, and if you desaturate by 10%, it is **75, 37.369, 88.230**.

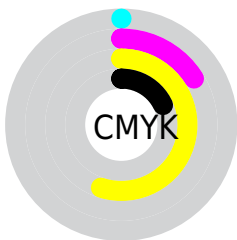
Distribution



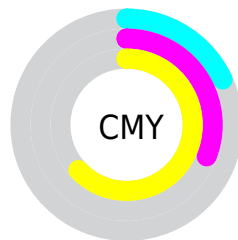
- Red (82%)
- Green (69%)
- Blue (37%)



- Red (56%)
- Yellow (82%)
- Blue (37%)



- Cyan (0%)
- Magenta (16%)
- Yellow (55%)
- Black (18%)



- Cyan (18%)
- Magenta (31%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 45.707, 86.833 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, 45.707, 86.833 by changing the saturation by 10% instead.

 73, 45.707, 86.833

 73, 45.707, 86.833

 100, 45.707,
86.833

 63, 45.707, 86.833

 93, 45.707, 86.833

 53, 45.707, 86.833

 43, 45.707, 86.833

 33, 45.707, 86.833

 23, 45.707, 86.833

 13, 45.707, 86.833

 3, 45.707, 86.833

 0, 45.707, 86.833

 73, 45.707, 86.833

 73, 45.707, 86.833

71, 53.695, 85.387

75, 37.369, 88.230

69, 60.904, 83.842

77, 28.926, 89.582

68, 66.673, 82.117

79, 20.512, 90.895

66, 70.223, 80.073

81, 12.196, 92.166

65, 71.389, 78.954

83, 4.007, 93.365

85, 4.042, 274.665

87, 11.951,
275.770

89, 16.433,
273.250

91, 14.227,
260.785

Harmonies

Complementary

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



73, 45.707, 86.833



55, 46.948, 284.270

Rectangle

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



73, 45.707, 86.833



73, 45.707, 136.833



73, 45.707, 266.833



73, 45.707, 316.833

Sweetspot

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



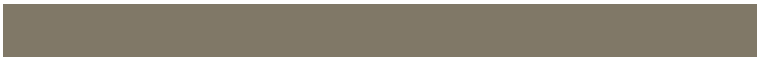
73, 45.707, 86.837



96, 15.320, 92.015



55, 48.899, 3.766



51, 10.362, 91.753



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, 45.707, 86.837



85, 63.903, 85.120



80, 58.815, 114.407



43, 4.596, 92.848



53, 60.750, 79.375



12, 17.308, 82.653

Inverse Universe

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



55, 46.948, 284.270



59, 67.196, 287.730



48, 67.730, 303.361



41, 4.613, 275.247



27, 75.350, 298.328



4, 20.412, 284.737

Previews

White Background



This preview shows how the CIELCh color 73, 45.707, 86.833 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, 45.707, 86.833 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, 45.707, 86.833

Background



This preview shows how black text looks on a background with the CIELCh color 73, 45.707, 86.833.



This preview shows how white text looks on a background with the CIELCh color 73, 45.707, 86.833.

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, 45.707, 86.833

Protanopia

73, 45.004, 95.809

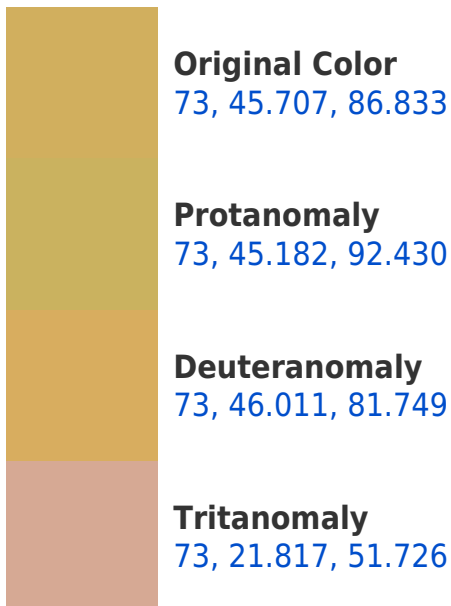
Deuteranopia

73, 46.469, 78.403



Tritanopia
73, 20.598, 3.076

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 45.707, 86.833 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(209, 175, 94)` looks like.

```
.text, #text, p{  
    color:rgb(209, 175, 94)  
}
```

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(209, 175, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 175, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 45.707, 86.833 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(209, 175, 94) }
```

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

```
.border{ border-color:rgb(209, 175, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 175, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 175, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 175, 94);  
box-shadow:4px 4px 4px 4px rgb(209, 175,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 45.707, 86.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 175, 94) }
```

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

```
.background{ background-color: rgb(209,  
175, 94) }
```

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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