

Converting Colors

CIELCh(73, 64.497, 91.038)

Have a look what the booklet for
CIELCh(73, 64.497, 91.038) contains.

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Color

CIELCh(73, 64.471, 91.018)

Conversions

Conversions Part 1

Format	Color
Hex	D1B133
RGB	209, 177, 51
RGB Percent	82%, 69%, 20%
CMY	0.1810, 0.3064, 0.8005
CMYK	0.00, 0.15, 0.76, 0.18
HSL	48°, 63%, 51%
HSV	48°, 76%, 82%
XYZ	42.5440, 45.1644, 9.5908
YIQ	172.2040, 59.5180, -32.4020

Conversions

Conversions Part 2

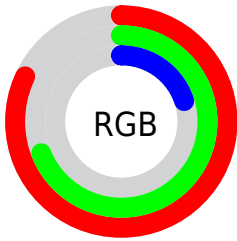
Format	Color
R _{YB}	91, 209, 51
Decimal	13742387
CIE Lab	73.00, -1.15, 64.46
CIE LCh	73, 64.471, 91.018
Yxy	45.1644, 0.4372, 0.4642
Android (android.graphics.Color)	4291932467 (0xFFD1B133)
YUV	172.2040, -59.7536, 32.2701
Hunter-Lab	67.2044, -4.6077, 38.5818

Details

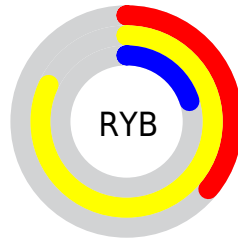
The CIELCh color **73, 64.471, 91.018** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **40, 75.748, 295.674**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.182, 96.291**, and **53, 58.543, 90.933** is the 20% darker color. If you saturate the color by 10%, you get **72, 69.710, 89.668**, and if you desaturate by 10%, it is **74, 57.516, 92.313**.

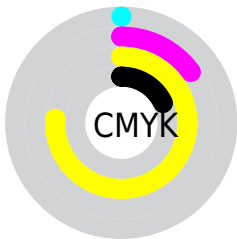
Distribution



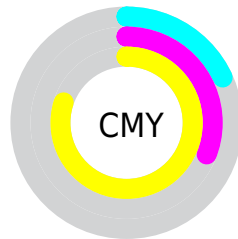
- Red (82%)
- Green (69%)
- Blue (20%)



- Red (36%)
- Yellow (82%)
- Blue (20%)



- Cyan (0%)
- Magenta (15%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (31%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 64.471, 91.018 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, 64.471, 91.018 by changing the saturation by 10% instead.

 73, 64.471, 91.018

 73, 64.471, 91.018

 100, 64.471,
91.018

 63, 64.471, 91.018

 93, 64.471, 91.018

 53, 64.471, 91.018

 43, 64.471, 91.018

 33, 64.471, 91.018

 23, 64.471, 91.018

 13, 64.471, 91.018

 3, 64.471, 91.018

 0, 64.471, 91.018

 73, 64.471, 91.018

 73, 64.471, 91.018

72, 69.710, 89.668

74, 57.516, 92.313

71, 72.594, 88.189

76, 49.500, 93.577

70, 73.377, 87.518

77, 40.896, 94.827

78, 32.005, 96.061

80, 23.002, 97.274

81, 13.990, 98.457

83, 5.022, 99.590

84, 3.870, 280.781

86, 12.674,
281.823

Harmonies

Complementary

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



73, 64.471, 91.018



40, 75.748, 295.674

Rectangle

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



73, 64.471, 91.018



73, 64.471, 141.018



73, 64.471, 271.018



73, 64.471, 321.018

Sweetspot

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



73, 64.471, 91.021



96, 24.242, 97.558



48, 65.149, 16.721



50, 16.793, 97.121



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, 64.471, 91.021



85, 83.526, 88.741



78, 76.987, 117.693



43, 5.063, 99.174



58, 62.570, 87.784



13, 18.928, 91.407

Inverse Universe

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



40, 75.748, 295.674



41, 108.700, 300.537



37, 93.219, 307.465



41, 5.121, 281.401



24, 84.998, 302.177



3, 22.013, 287.899

Previews

White Background



This preview shows how the CIELCh color 73, 64.471, 91.018 looks on a white background.

Color Contrast Check

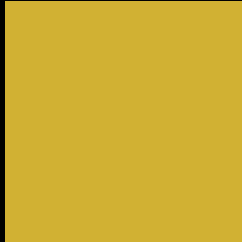
Large Text (above 18pt) WCAG AA × Fail

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, 64.471, 91.018 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, 64.471, 91.018

Background



This preview shows how black text looks on a background with the CIELCh color 73, 64.471, 91.018.

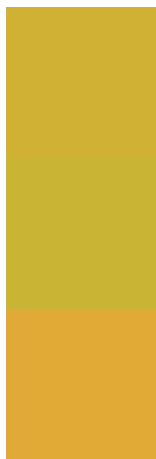


This preview shows how white text looks on a background with the CIELCh color 73, 64.471, 91.018.

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, 64.471, 91.018

Protanopia

73, 64.180, 95.497

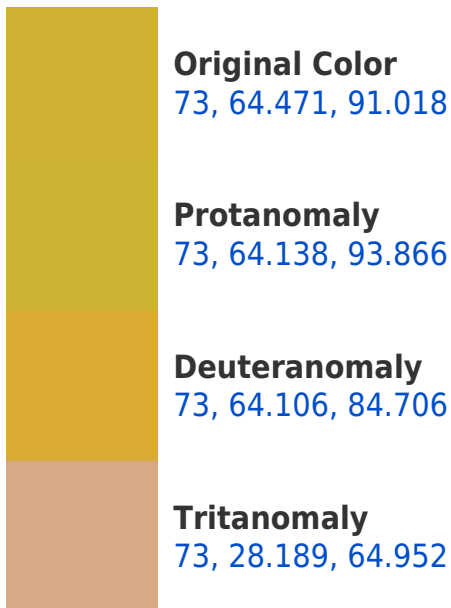
Deuteranopia

73, 64.527, 81.441



Tritanopia
73, 21.492, 2.448

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 64.471, 91.018 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, 177, 51)` looks like.

```
.text, #text, p{  
    color:rgb(209, 177, 51)  
}
```

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, 177, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 177, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 64.471, 91.018 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, 177, 51) }
```

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

```
.border{ border-color:rgb(209, 177, 51) }
```

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

Here you see how a box with a 4 pixel rgb(209, 177, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 177, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 177, 51);  
box-shadow:4px 4px 4px 4px rgb(209, 177,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 64.471, 91.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 177, 51) }
```

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

```
.background{ background-color: rgb(209,  
177, 51) }
```

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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