

Converting Colors

CIELCh(73, 77.124, 82.244)

Have a look what the booklet for
CIELCh(73, 77.124, 82.244) contains.

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Color

CIELCh(73, 76.937, 81.981)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E5A901 |
| RGB | 229, 169, 1 |
| RGB Percent | 90%, 66%, 0% |
| CMY | 0.1009, 0.3363, 0.9975 |
| CMYK | 0.00, 0.26, 1.00, 0.10 |
| HSL | 44°, 99%, 45% |
| HSV | 44°, 100%, 90% |
| XYZ | 46.6322, 45.1644, 6.2776 |
| YIQ | 167.7880, 89.6880, -39.5280 |

Conversions

Conversions Part 2

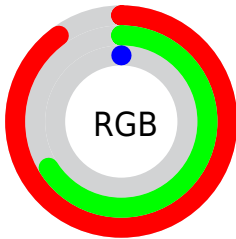
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 82, 229, 1 |
| Decimal | 15051009 |
| CIELab | 73.00, 10.73, 76.18 |
| CIELCh | 73, 76.937, 81.981 |
| Yxy | 45.1644, 0.4755, 0.4605 |
| Android (android.graphics.Color) | 4293241089 (0xFFE5A901) |
| YUV | 167.7880, -82.2265, 53.6829 |
| Hunter-Lab | 67.2044, 6.2507, 41.5048 |

Details

The CIELCh color **73, 76.937, 81.981** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **36, 101.192, 300.435**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 71.698, 93.611**, and **53, 60.590, 78.646** is the 20% darker color. If you saturate the color by 10%, you get **73, 76.993, 81.927**, and if you desaturate by 10%, it is **75, 74.549, 83.987**.

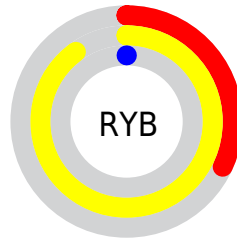
Distribution



Red (90%)

Green (66%)

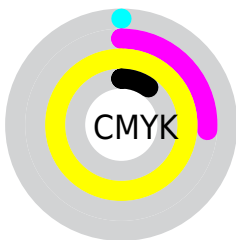
Blue (0%)



Red (32%)

Yellow (90%)

Blue (0%)

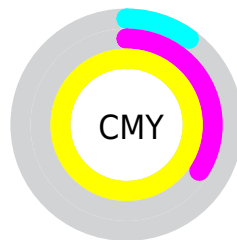


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 76.937, 81.981 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, 76.937, 81.981 by changing the saturation by 10% instead.

73, 76.937, 81.981

73, 76.937, 81.981

100, 76.937,
81.981

63, 76.937, 81.981

93, 76.937, 81.981

53, 76.937, 81.981

43, 76.937, 81.981

33, 76.937, 81.981

23, 76.937, 81.981

13, 76.937, 81.981

3, 76.937, 81.981

0, 76.937, 81.981

73, 76.937, 81.981

73, 76.937, 81.981

73, 76.993, 81.927

75, 74.549, 83.987

76, 69.706, 85.714

78, 62.776, 87.249

79, 54.564, 88.682

81, 45.673, 90.058

83, 36.479, 91.397

85, 27.197, 92.703

87, 17.945, 93.972

89, 8.783, 95.195

Harmonies

Complementary

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



73, 76.937, 81.981



36, 101.192, 300.435

Rectangle

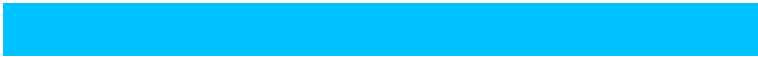
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 76.937, 81.981



73, 76.937, 131.981



73, 76.937, 261.981



73, 76.937, 311.981

Sweetspot

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



73, 76.936, 81.984



93, 29.931, 92.644



48, 82.662, 24.778



49, 20.457, 92.094



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, 76.936, 81.984



80, 83.407, 81.784



85, 92.549, 116.649



47, 5.134, 95.226



58, 63.921, 82.323



16, 23.205, 85.284

Inverse Universe

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



36, 101.192, 300.435



40, 110.591, 300.689



31, 121.115, 307.459



45, 5.168, 277.592



27, 82.817, 300.002



5, 27.505, 290.592

Previews

White Background



This preview shows how the CIELCh color 73, 76.937, 81.981 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 CIELCh color 73, 76.937, 81.981 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, 76.937, 81.981

Background



This preview shows how black text looks on a background with the CIELCh color 73, 76.937, 81.981.



This preview shows how white text looks on a background with the CIELCh color 73, 76.937, 81.981.

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, 76.824, 81.962

Protanopia

73, 73.924, 94.917

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 31.962, 10.991

Trichromacy



Original Color
73, 76.824, 81.962

Protanomaly
73, 74.474, 89.912

Deuteranomaly
73, 76.851, 82.698

Tritanomaly
72, 43.941, 60.737

Monochromacy



Original Color
73, 76.824, 81.962

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 34.385, 90.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 76.937, 81.981 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(229, 169, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 169, 1)  
}
```

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(229, 169, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 169, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 76.937, 81.981 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(229, 169, 1) }
```

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

```
.border{ border-color:rgb(229, 169, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 169, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 169, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 169, 1);  
box-shadow:4px 4px 4px 4px rgb(229, 169,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 76.937, 81.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 169, 1) }
```

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

```
.background{ background-color: rgb(229,  
169, 1) }
```

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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