

Converting Colors

CIELCh(77, 70.581, 81.006)

Have a look what the booklet for
CIELCh(77, 70.581, 81.006) contains.

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Color

CIELCh(77, 70.511, 81.009)

Conversions

Conversions Part 1

Format	Color
Hex	F1B432
RGB	241, 180, 50
RGB Percent	95%, 71%, 20%
CMY	0.0552, 0.2944, 0.8042
CMYK	0.00, 0.25, 0.79, 0.06
HSL	41°, 87%, 57%
HSV	41°, 79%, 94%
XYZ	53.1307, 51.5317, 10.1553
YIQ	183.4190, 78.0860, -27.4980

Conversions

Conversions Part 2

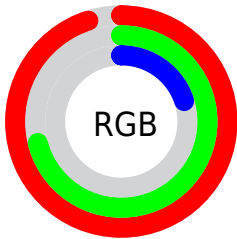
Format	Color
R_{YB}	140, 241, 50
Decimal	15840306
CIE _{Lab}	77.00, 11.02, 69.64
CIE _{LCh}	77, 70.511, 81.009
Yxy	51.5317, 0.4627, 0.4488
Android (android.graphics.Color)	4294030386 (0xFFFF1B432)
YUV	183.4190, -65.7756, 50.4985
Hunter-Lab	71.7856, 6.4883, 41.8623

Details

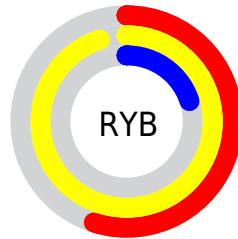
The CIELCh color **77, 70.511, 81.009** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **50, 75.671, 290.633**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 64.122, 97.927**, and **57, 63.914, 79.872** is the 20% darker color. If you saturate the color by 10%, you get **75, 76.018, 79.038**, and if you desaturate by 10%, it is **79, 62.996, 82.703**.

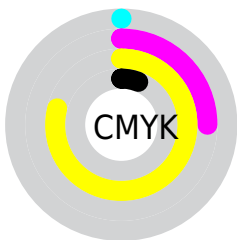
Distribution



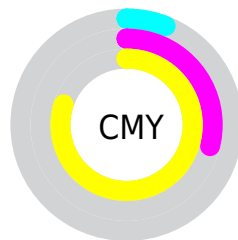
- Red (95%)
- Green (71%)
- Blue (20%)



- Red (55%)
- Yellow (95%)
- Blue (20%)



- Cyan (0%)
- Magenta (25%)
- Yellow (79%)
- Black (6%)



- Cyan (6%)
- Magenta (29%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 70.511, 81.009 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 77, 70.511, 81.009 by changing the saturation by 10% instead.

77, 70.511, 81.009

77, 70.511, 81.009

100, 70.511,
81.009

67, 70.511, 81.009

97, 70.511, 81.009

57, 70.511, 81.009

47, 70.511, 81.009

37, 70.511, 81.009

27, 70.511, 81.009

17, 70.511, 81.009

7, 70.511, 81.009

0, 70.511, 81.009

77, 70.511, 81.009

77, 70.511, 81.009

75, 76.018, 79.038

79, 62.996, 82.703

73, 78.931, 76.641

81, 54.348, 84.241

73, 79.110, 76.464

83, 45.173, 85.698

86, 35.825, 87.101

88, 26.497, 88.464

90, 17.284, 89.783

93, 8.231, 91.050

95, 0.647, 272.731

98, 4.083, 246.328

Harmonies

Complementary

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



77, 70.511, 81.009



50, 75.671, 290.633

Rectangle

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



77, 70.511, 81.009



77, 70.511, 131.009



77, 70.511, 261.009



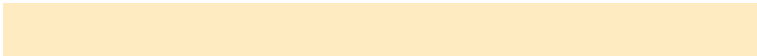
77, 70.511, 311.009

Sweetspot

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



77, 70.510, 81.012



94, 22.638, 89.156



54, 74.213, 8.823



49, 15.603, 88.682



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 70.510, 81.012



78, 81.430, 77.635



90, 86.773, 112.153



49, 5.022, 91.025



57, 64.561, 76.981



17, 24.769, 79.818

Inverse Universe

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



50, 75.671, 290.633



45, 96.638, 296.383



39, 110.261, 305.802



47, 5.028, 273.499



31, 78.088, 297.349



6, 28.713, 290.665

Previews

White Background



This preview shows how the CIELCh color 77, 70.511, 81.009 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 77, 70.511, 81.009 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 77, 70.511, 81.009

Background



This preview shows how black text looks on a background with the CIELCh color 77, 70.511, 81.009.



This preview shows how white text looks on a background with the CIELCh color 77, 70.511, 81.009.

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

77, 70.511, 81.009

Protanopia

77, 68.078, 95.219

Deuteranopia

77, 70.261, 82.112



Tritanopia
77, 32.009, 10.013

Trichromacy



Original Color
77, 70.511, 81.009

Protanomaly
77, 68.372, 89.881

Deuteranomaly
77, 70.453, 81.784

Tritanomaly
77, 38.345, 53.712

Monochromacy



Original Color
77, 70.511, 81.009

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 26.850, 87.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 70.511, 81.009 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(241, 180, 50)` looks like.

```
.text, #text, p{  
    color:rgb(241, 180, 50)  
}
```

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(241, 180, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 180, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 70.511, 81.009 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(241, 180, 50) }
```

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

```
.border{ border-color:rgb(241, 180, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 180, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 180, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 180, 50);  
box-shadow:4px 4px 4px 4px rgb(241, 180,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 70.511, 81.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 180, 50) }
```

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

```
.background{ background-color: rgb(241,  
180, 50) }
```

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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