

Converting Colors

CIELCh(77, 77.541, 89.260)

Have a look what the booklet for
CIELCh(77, 77.541, 89.260) contains.

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Color

CIELCh(77, 77.525, 89.231)

Conversions

Conversions Part 1

Format	Color
Hex	E3BA0D
RGB	227, 186, 13
RGB Percent	89%, 73%, 5%
CMY	0.1094, 0.2702, 0.9480
CMYK	0.00, 0.18, 0.94, 0.11
HSL	48°, 89%, 47%
HSV	48°, 94%, 89%
XYZ	49.3618, 51.5317, 7.7336
YIQ	178.5370, 79.9690, -45.1110

Conversions

Conversions Part 2

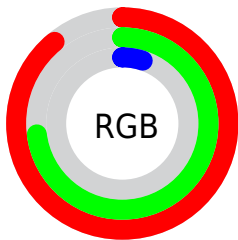
Format	Color
RYB	64, 227, 13
Decimal	14924301
CIELab	77.00, 1.04, 77.52
CIELCh	77, 77.525, 89.231
Yxy	51.5317, 0.4544, 0.4744
Android (android.graphics.Color)	4293114381 (0xFFE3BA0D)
YUV	178.5370, -81.6097, 42.5021
Hunter-Lab	71.7856, -2.8833, 43.8625

Details

The CIELCh color **77, 77.525, 89.231** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **35, 103.625, 301.633**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 74.722, 100.081**, and **57, 62.184, 87.692** is the 20% darker color. If you saturate the color by 10%, you get **76, 78.488, 88.366**, and if you desaturate by 10%, it is **78, 74.195, 90.633**.

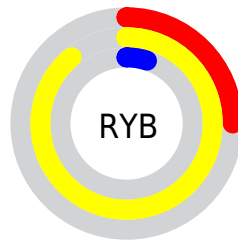
Distribution



Red (89%)

Green (73%)

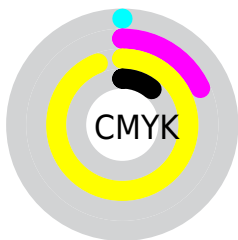
Blue (5%)



Red (25%)

Yellow (89%)

Blue (5%)

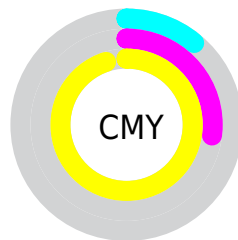


Cyan (0%)

Magenta (18%)

Yellow (94%)

Black (11%)



Cyan (11%)

Magenta (27%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 77.525, 89.231 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, 77.525, 89.231 by changing the saturation by 10% instead.

■ 77, 77.525, 89.231

■ 77, 77.525, 89.231

■ 100, 77.525,
89.231

■ 67, 77.525, 89.231

■ 97, 77.525, 89.231

■ 57, 77.525, 89.231

■ 47, 77.525, 89.231

■ 37, 77.525, 89.231

■ 27, 77.525, 89.231

■ 17, 77.525, 89.231

■ 7, 77.525, 89.231

■ 0, 77.525, 89.231

■ 77, 77.525, 89.231

■ 77, 77.525, 89.231

76, 78.488, 88.366

78, 74.195, 90.633

79, 68.380, 91.936

81, 60.780, 93.196

82, 52.079, 94.440

83, 42.770, 95.675

85, 33.162, 96.897

86, 23.436, 98.099

88, 13.699, 99.272

90, 4.006, 100.387

Harmonies

Complementary

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



77, 77.525, 89.231



35, 103.625, 301.633

Rectangle

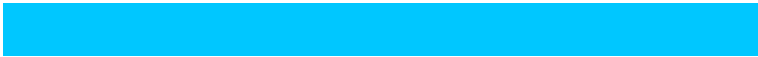
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 77.525, 89.231



77, 77.525, 139.231



77, 77.525, 269.231



77, 77.525, 319.231

Sweetspot

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



77, 77.524, 89.233



95, 29.849, 97.619



48, 82.404, 27.176



50, 20.612, 97.096



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, 77.524, 89.233



85, 85.624, 88.259



83, 92.182, 119.470



47, 5.528, 99.809



61, 65.647, 88.627



17, 24.607, 91.265

Inverse Universe

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



35, 103.625, 301.633



37, 119.999, 303.187



33, 116.200, 308.334



45, 5.595, 282.040



25, 90.154, 302.641



4, 29.242, 292.636

Previews

White Background



This preview shows how the CIELCh color 77, 77.525, 89.231 looks on a white background.

Color Contrast Check

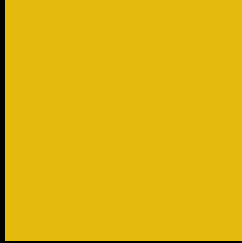
Large Text (above 18pt) WCAG AA × Fail

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, 77.525, 89.231 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, 77.525, 89.231

Background



This preview shows how black text looks on a background with the CIELCh color 77, 77.525, 89.231.



This preview shows how white text looks on a background with the CIELCh color 77, 77.525, 89.231.

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, 77.525, 89.231

Protanopia

77, 77.045, 95.015

Deuteranopia

77, 77.303, 82.626



Tritanopia
77, 25.395, 5.958

Trichromacy



Original Color
77, 77.525, 89.231

Protanomaly
77, 77.033, 92.959

Deuteranomaly
77, 77.195, 85.040

Tritanomaly
76, 38.180, 69.477

Monochromacy



Original Color
77, 77.525, 89.231

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 34.115, 96.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 77.525, 89.231 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(227, 186, 13)` looks like.

```
.text, #text, p{  
    color:rgb(227, 186, 13)  
}
```

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(227, 186, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 186, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 77.525, 89.231 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(227, 186, 13) }
```

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

```
.border{ border-color:rgb(227, 186, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 186, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 186, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 186, 13);  
box-shadow:4px 4px 4px 4px rgb(227, 186,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 77.525, 89.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 186, 13) }
```

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

```
.background{ background-color: rgb(227,  
186, 13) }
```

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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