

Converting Colors

CIELCh(77, 78.750, 90.065)

Have a look what the booklet for
CIELCh(77, 78.750, 90.065) contains.

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Color

CIELCh(77, 78.839, 90.021)

Conversions

Conversions Part 1

Format	Color
Hex	E2BB00
RGB	226, 187, 0
RGB Percent	89%, 73%, 0%
CMY	0.1150, 0.2678, 0.9994
CMYK	0.00, 0.17, 1.00, 0.12
HSL	50°, 100%, 44%
HSV	50°, 100%, 88%
XYZ	48.9688, 51.5317, 7.3695
YIQ	177.3430, 83.2710, -49.8890

Conversions

Conversions Part 2

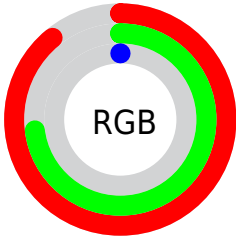
Format	Color
RYB	47, 226, 0
Decimal	14859008
CIELab	77.00, -0.03, 78.84
CIElCh	77, 78.839, 90.021
Yxy	51.5317, 0.4540, 0.4777
Android (android.graphics.Color)	4293049088 (0xFFE2BB00)
YUV	177.3430, -87.4301, 42.6722
Hunter-Lab	71.7856, -3.8605, 44.1633

Details

The CIELCh color **77, 78.839, 90.021** 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 **32, 110.783, 303.556**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 76.544, 100.367**, and **57, 62.215, 88.629** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.849, 90.015**, and if you desaturate by 10%, it is **78, 76.856, 91.343**.

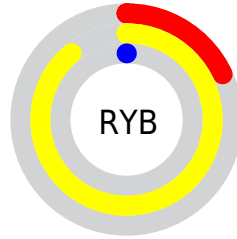
Distribution



Red (89%)

Green (73%)

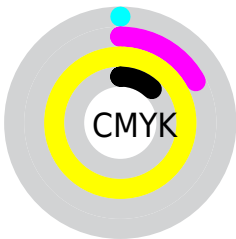
Blue (0%)



Red (18%)

Yellow (89%)

Blue (0%)

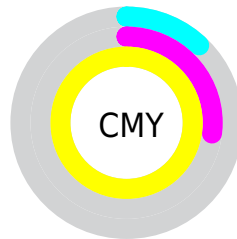


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 78.839, 90.021 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, 78.839, 90.021 by changing the saturation by 10% instead.

■ 77, 78.839, 90.021

■ 77, 78.839, 90.021

■ 100, 78.839,
90.021

■ 67, 78.839, 90.021

■ 97, 78.839, 90.021

■ 57, 78.839, 90.021

■ 47, 78.839, 90.021

■ 37, 78.839, 90.021

■ 27, 78.839, 90.021

■ 17, 78.839, 90.021

■ 7, 78.839, 90.021

■ 0, 78.839, 90.021

■ 77, 78.839, 90.021

■ 77, 78.839, 90.021

77, 78.849, 90.015

78, 76.856, 91.343

79, 72.472, 92.585

80, 65.863, 93.790

81, 57.743, 94.987

83, 48.716, 96.185

84, 39.194, 97.382

85, 29.432, 98.570

87, 19.582, 99.738

88, 9.730, 100.874

Harmonies

Complementary

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



77, 78.839, 90.021



32, 110.783, 303.556

Rectangle

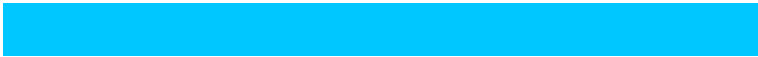
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 78.839, 90.021



77, 78.839, 140.021



77, 78.839, 270.021



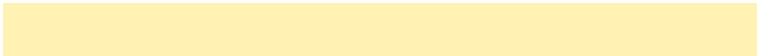
77, 78.839, 320.021

Sweetspot

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



77, 78.838, 90.023



95, 32.572, 98.538



47, 86.233, 31.392



50, 22.213, 98.035



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, 78.838, 90.023



86, 86.427, 89.915



82, 93.776, 120.860



46, 5.536, 100.929



61, 65.563, 90.254



16, 23.704, 92.951

Inverse Universe

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



32, 110.783, 303.556



36, 122.192, 303.720



31, 118.207, 308.430



44, 5.610, 283.118



24, 90.853, 303.190



4, 27.878, 291.971

Previews

White Background



This preview shows how the CIELCh color 77, 78.839, 90.021 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, 78.839, 90.021 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, 78.839, 90.021

Background



This preview shows how black text looks on a background with the CIELCh color 77, 78.839, 90.021.

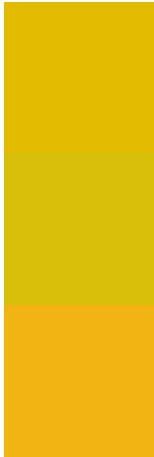


This preview shows how white text looks on a background with the CIELCh color 77, 78.839, 90.021.

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, 78.943, 90.027

Protanopia

77, 77.850, 95.021

Deuteranopia

77, 77.972, 82.403



Tritanopia
77, 24.621, 5.365

Trichromacy



Original Color
77, 78.943, 90.027

Protanomaly
77, 78.016, 92.990

Deuteranomaly
77, 78.132, 85.161

Tritanomaly
77, 39.794, 72.339

Monochromacy



Original Color
77, 78.943, 90.027

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 36.695, 97.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 78.839, 90.021 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(226, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 187, 0)  
}
```

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(226, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 187, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 78.839, 90.021 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(226, 187, 0) }
```

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

```
.border{ border-color:rgb(226, 187, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 187, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 187,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 78.839, 90.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 187, 0) }
```

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

```
.background{ background-color: rgb(226,  
187, 0) }
```

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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