

Converting Colors

CIELCh(91, 77.676, 103.894)

Have a look what the booklet for
CIELCh(91, 77.676, 103.894)
contains.

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Color

CIELCh(91, 77.638, 103.906)

Conversions

Conversions Part 1

Format	Color
Hex	ECEC47
RGB	236, 236, 71
RGB Percent	93%, 93%, 28%
CMY	0.0734, 0.0734, 0.7204
CMYK	0.00, 0.00, 0.70, 0.07
HSL	60°, 82%, 60%
HSV	60°, 70%, 93%
XYZ	65.9037, 78.4833, 17.6842
YIQ	217.1900, 52.9650, -51.3150

Conversions

Conversions Part 2

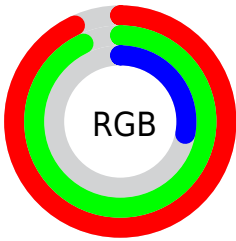
Format	Color
RYB	71, 236, 71
Decimal	15526983
CIELab	91.00, -18.66, 75.36
CIELCh	91, 77.638, 103.906
Yxy	78.4833, 0.4066, 0.4843
Android (android.graphics.Color)	4293717063 (0xFFECEC47)
YUV	217.1900, -72.0717, 16.4964
Hunter-Lab	88.5908, -22.2457, 50.1783

Details

The CIELCh color **91, 77.638, 103.906** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **41, 97.204, 301.895**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 61.770, 105.450**, and **71, 74.649, 104.226** is the 20% darker color. If you saturate the color by 10%, you get **91, 84.638, 103.367**, and if you desaturate by 10%, it is **91, 68.745, 104.609**.

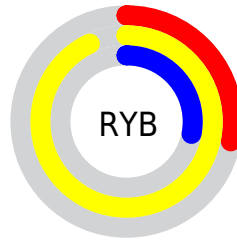
Distribution



Red (93%)

Green (93%)

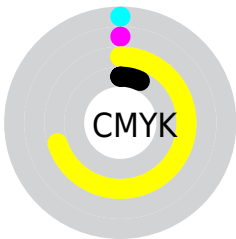
Blue (28%)



Red (28%)

Yellow (93%)

Blue (28%)

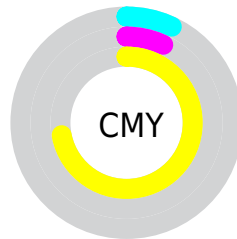


Cyan (0%)

Magenta (0%)

Yellow (70%)

Black (7%)



Cyan (7%)

Magenta (7%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 77.638, 103.906 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 91, 77.638, 103.906 by changing the saturation by 10% instead.

 91, 77.638,
103.906

 91, 77.638,
103.906

 100, 77.638,
103.906


 81, 77.638,
103.906

 71, 77.638,
103.906

 61, 77.638,
103.906

 51, 77.638,
103.906

 41, 77.638,
103.906

 31, 77.638,
103.906

 21, 77.638,

103.906

■ 11, 77.638,
103.906

■ 1, 77.638, 103.906

■ 91, 77.638,
103.906

■ 91, 77.638,
103.906

■ 91, 84.638,
103.367

■ 91, 68.745,
104.609

■ 91, 89.221,
103.018

■ 91, 58.533,
105.429

■ 91, 91.442,
102.851

■ 92, 47.469,
106.328

■ 91, 91.473,
102.849

■ 92, 35.881,
107.276

■ 92, 23.987,
108.247

■ 93, 11.923,
109.221

■ 94, 0.219, 290.525

■ 94, 9.648, 290.933

■ 94, 9.648, 290.931

Harmonies

Complementary

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



91, 77.638, 103.906



41, 97.204, 301.895

Rectangle

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



91, 77.638, 103.906



91, 77.638, 153.906



91, 77.638, 283.906



91, 77.638, 333.906

Sweetspot

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



91, 77.638, 103.908



99, 27.009, 108.125



55, 72.352, 29.484



53, 18.256, 107.855



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 77.638, 103.908



97, 92.199, 103.184



86, 84.449, 125.718



49, 6.852, 109.256



71, 74.934, 102.849



21, 30.654, 103.461

Inverse Universe

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



41, 97.204, 301.895



36, 122.721, 304.725



49, 94.480, 311.994



45, 7.006, 291.162



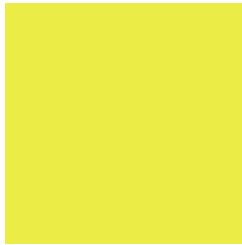
21, 103.472, 306.287



2, 35.733, 297.750

Previews

White Background



This preview shows how the CIELCh color 91, 77.638, 103.906 looks on a white background.

Color Contrast Check

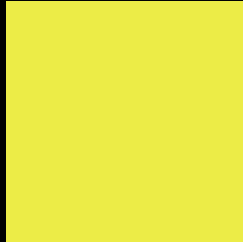
Large Text (above 18pt) WCAG AA × Fail

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 91, 77.638, 103.906 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 91, 77.638, 103.906

Background



This preview shows how black text looks on a background with the CIELCh color 91, 77.638, 103.906.

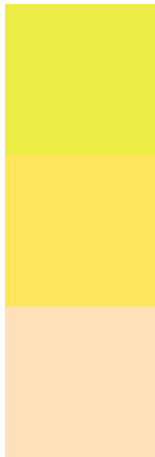


This preview shows how white text looks on a background with the CIELCh color 91, 77.638, 103.906.

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
91, 77.638, 103.906

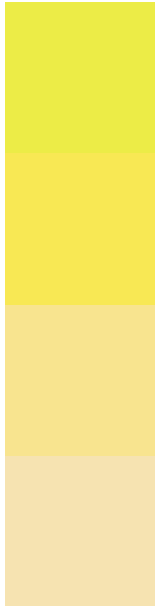
Protanopia
91, 68.499, 95.341

Deuteranopia
91, 24.031, 78.301



Tritanopia
91, 13.897, 341.148

Trichromacy



Original Color
91, 77.638, 103.906

Protanomaly
91, 71.796, 98.917

Deuteranomaly
91, 44.113, 95.955

Tritanomaly
91, 26.834, 91.979

Monochromacy



Original Color
91, 77.638, 103.906

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 30.921, 107.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 77.638, 103.906 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(236, 236, 71)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 71)  
}
```

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(236, 236, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 77.638, 103.906 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(236, 236, 71) }
```

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

```
.border{ border-color:rgb(236, 236, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 71);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 77.638, 103.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 71) }
```

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

```
.background{ background-color: rgb(236,  
236, 71) }
```

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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