

Converting Colors

CIELCh(91, 91.951, 102.825)

Have a look what the booklet for
CIELCh(91, 91.951, 102.825)
contains.

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Color

CIELCh(91, 91.687, 102.852)

Conversions

Conversions Part 1

Format	Color
Hex	EDED00
RGB	237, 237, 0
RGB Percent	93%, 93%, 0%
CMY	0.0711, 0.0710, 1.0000
CMYK	0.00, 0.00, 1.00, 0.07
HSL	60°, 100%, 46%
HSV	60°, 100%, 93%
XYZ	65.1314, 78.4833, 11.7034
YIQ	209.9820, 76.0770, -73.7070

Conversions

Conversions Part 2

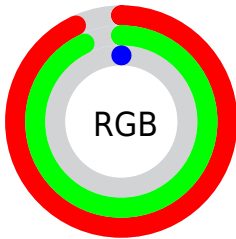
Format	Color
R _Y B	0, 237, 0
Decimal	15592704
CIE Lab	91.00, -20.39, 89.39
CIE LCh	91, 91.687, 102.852
Yxy	78.4833, 0.4193, 0.5053
Android (android.graphics.Color)	4293782784 (0xFFEDED00)
YUV	209.9820, -103.5211, 23.6948
Hunter-Lab	88.5908, -23.8018, 54.1810

Details

The CIELCh color **91, 91.687, 102.852** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **30, 126.559, 306.287**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **71, 74.972, 104.560** is the 20% darker color. If you saturate the color by 10%, you get **91, 91.655, 102.856**, and if you desaturate by 10%, it is **91, 89.459, 103.021**.

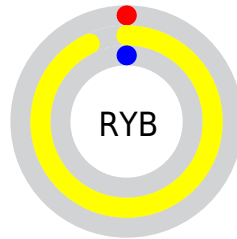
Distribution



Red (93%)

Green (93%)

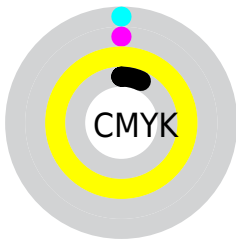
Blue (0%)



Red (0%)

Yellow (93%)

Blue (0%)

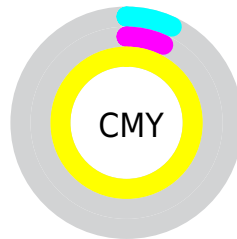


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 91.687, 102.852 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, 91.687, 102.852 by changing the saturation by 10% instead.

■ 91, 91.687,
102.852

■ 91, 91.687,
102.852

■ 100, 91.687,
102.852

■ 81, 91.687,
102.852

■ 71, 91.687,
102.852

■ 61, 91.687,
102.852

■ 51, 91.687,
102.852

■ 41, 91.687,
102.852

■ 31, 91.687,
102.852

■ 21, 91.687,

102.852

■ 11, 91.687,
102.852

■ 1, 91.687, 102.852

■ 91, 91.687,
102.852

■ 91, 91.687,
102.852

■ 91, 91.655,
102.856

■ 91, 89.459,
103.021

■ 91, 84.913,
103.366

■ 91, 77.939,
103.903

■ 91, 69.055,
104.602

■ 92, 58.841,
105.419

■ 92, 47.765,
106.318

■ 92, 36.160,
107.265

■ 93, 24.244,
108.236

■ 93, 12.157,
109.209

Harmonies

Complementary

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



91, 91.687, 102.852



30, 126.559, 306.287

Rectangle

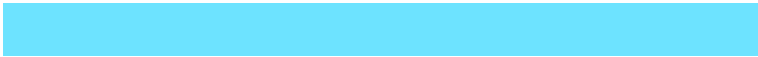
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 91.687, 102.852



91, 91.687, 152.852



91, 91.687, 282.852



91, 91.687, 332.852

Sweetspot

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



91, 91.655, 102.856



98, 38.382, 107.253



49, 98.905, 40.000



52, 26.096, 106.848



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, 91.655, 102.856



97, 96.910, 102.856



84, 103.437, 128.302



49, 6.852, 109.261



71, 74.937, 102.856



21, 30.656, 103.468

Inverse Universe

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



30, 126.559, 306.287



32, 133.816, 306.287



38, 118.218, 311.719



45, 7.006, 291.167



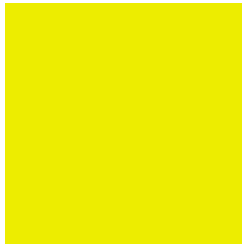
21, 103.474, 306.287



2, 35.735, 297.752

Previews

White Background



This preview shows how the CIELCh color 91, 91.687, 102.852 looks on a white background.

Color Contrast Check

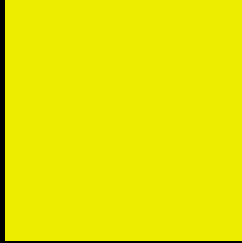
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 91, 91.687, 102.852 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, 91.687, 102.852

Background



This preview shows how black text looks on a background with the CIELCh color 91, 91.687, 102.852.



This preview shows how white text looks on a background with the CIELCh color 91, 91.687, 102.852.

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, 91.687, 102.852

Protanopia

91, 69.614, 95.763

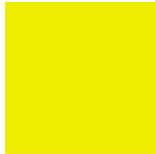
Deuteranopia

91, 24.486, 78.831



Tritanopia
91, 14.471, 343.029

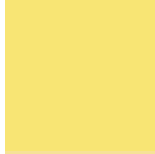
Trichromacy



Original Color
91, 91.687, 102.852



Protanomaly
91, 81.302, 99.072

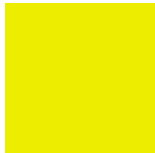


Deuteranomaly
90, 57.205, 97.542



Tritanomaly
90, 39.301, 95.121

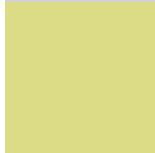
Monochromacy



Original Color
91, 91.687, 102.852



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 44.014, 106.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 91.687, 102.852 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(237, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 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(237, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 91.687, 102.852 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(237, 237, 0) }
```

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

```
.border{ border-color:rgb(237, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 91.687, 102.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 0) }
```

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

```
.background{ background-color: rgb(237,  
237, 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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