

Converting Colors

CIELCh(90, 91.015, 103.975)

Have a look what the booklet for
CIELCh(90, 91.015, 103.975)
contains.

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Color

CIELCh(90, 91.053, 103.930)

Conversions

Conversions Part 1

Format	Color
Hex	E7EB01
RGB	231, 235, 1
RGB Percent	91%, 92%, 0%
CMY	0.0947, 0.0789, 0.9980
CMYK	0.02, 0.00, 1.00, 0.08
HSL	61°, 100%, 46%
HSV	61°, 100%, 92%
XYZ	62.5787, 76.3034, 11.4435
YIQ	207.1280, 72.7300, -73.6220

Conversions

Conversions Part 2

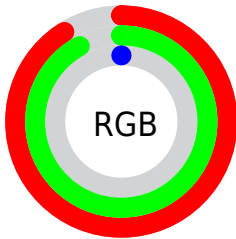
Format	Color
R _Y B	1, 235, 5
Decimal	15198977
CIE Lab	90.00, -21.92, 88.38
CIE LCh	90, 91.053, 103.930
Yxy	76.3034, 0.4163, 0.5076
Android (android.graphics.Color)	4293389057 (0xFFE7EB01)
YUV	207.1280, -101.6211, 20.9357
Hunter-Lab	87.3518, -24.9885, 53.3790

Details

The CIELCh color **90, 91.053, 103.930** 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 **29, 125.567, 306.310**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **70, 74.760, 105.931** is the 20% darker color. If you saturate the color by 10%, you get **90, 91.092, 103.931**, and if you desaturate by 10%, it is **90, 88.817, 104.016**.

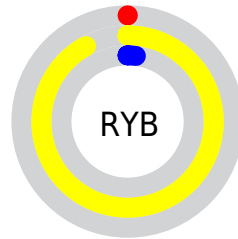
Distribution



Red (91%)

Green (92%)

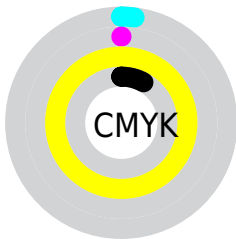
Blue (0%)



Red (0%)

Yellow (92%)

Blue (2%)

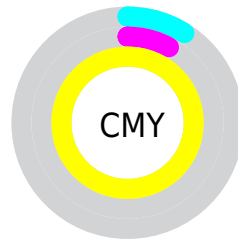


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (9%)


Magenta (8%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 91.053, 103.930 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 90, 91.053, 103.930 by changing the saturation by 10% instead.


 90, 91.053,
103.930


 90, 91.053,
103.930


 100, 91.053,
103.930


 80, 91.053,
103.930

 70, 91.053,
103.930

 60, 91.053,
103.930

 50, 91.053,
103.930

 40, 91.053,
103.930

 30, 91.053,
103.930

 20, 91.053,

103.930

■ 10, 91.053,
103.930

■ 0, 91.053, 103.930

■ 90, 91.053,
103.930

■ 90, 91.053,
103.930

■ 90, 91.092,
103.931

■ 90, 88.817,
104.016

■ 90, 84.230,
104.300

■ 90, 77.243,
104.793

■ 91, 68.378,
105.458

■ 91, 58.208,
106.246

■ 91, 47.194,
107.118

■ 91, 35.660,
108.040

■ 92, 23.821,
108.984

■ 92, 11.813,
109.930

Harmonies

Complementary

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



90, 91.053, 103.930



29, 125.567, 306.310

Rectangle

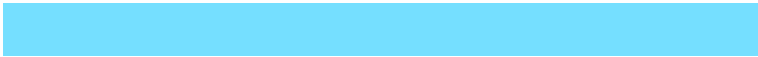
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 91.053, 103.930



90, 91.053, 153.930



90, 91.053, 283.930



90, 91.053, 333.930

Sweetspot

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



90, 91.052, 103.932



98, 38.388, 108.007



49, 97.941, 40.079



52, 26.099, 107.613



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 91.052, 103.932



97, 96.940, 103.936



83, 103.242, 128.809



49, 6.854, 109.960



71, 74.959, 103.913



21, 30.651, 104.421

Inverse Universe

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



29, 125.567, 306.310



32, 133.741, 306.321



38, 116.931, 312.124



45, 7.008, 291.810



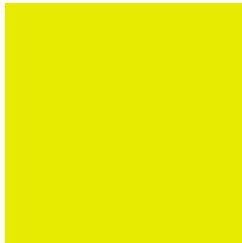
21, 103.387, 306.339



2, 35.768, 298.157

Previews

White Background



This preview shows how the CIELCh color 90, 91.053, 103.930 looks on a white background.

Color Contrast Check

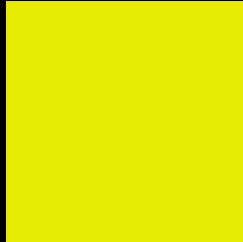
Large Text (above 18pt) WCAG AA × Fail

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 90, 91.053, 103.930 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 90, 91.053, 103.930

Background



This preview shows how black text looks on a background with the CIELCh color 90, 91.053, 103.930.



This preview shows how white text looks on a background with the CIELCh color 90, 91.053, 103.930.

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
90, 91.053, 103.930

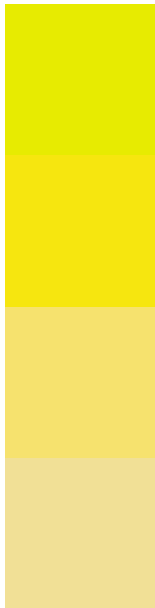
Protanopia
90, 87.442, 95.074

Deuteranopia
90, 28.380, 79.800



Tritanopia
90, 13.656, 340.167

Trichromacy



Original Color
90, 91.053, 103.930

Protanomaly
90, 88.677, 98.495

Deuteranomaly
89, 58.710, 97.119

Tritanomaly
89, 38.616, 96.755

Monochromacy



Original Color
90, 91.053, 103.930

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 43.614, 106.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 91.053, 103.930 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(231, 235, 1)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 1)  
}
```

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(231, 235, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 91.053, 103.930 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(231, 235, 1) }
```

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

```
.border{ border-color:rgb(231, 235, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 235, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 1);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 91.053, 103.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 1) }
```

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

```
.background{ background-color: rgb(231,  
235, 1) }
```

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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