

Converting Colors

CIELCh(91, 89.023, 100.535)

Have a look what the booklet for
CIELCh(91, 89.023, 100.535)
contains.

CIELCh(91, 89.056, 100.537)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 89.056, 100.537)

Conversions

Conversions Part 1

Format	Color
Hex	F4EB16
RGB	244, 235, 22
RGB Percent	96%, 92%, 9%
CMY	0.0444, 0.0796, 0.9124
CMYK	0.00, 0.04, 0.91, 0.04
HSL	58°, 91%, 52%
HSV	58°, 91%, 96%
XYZ	66.9696, 78.4833, 12.3944
YIQ	213.4090, 73.7370, -64.3350

Conversions

Conversions Part 2

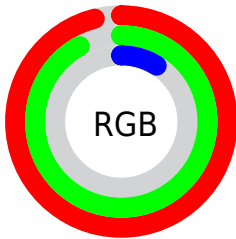
Format	Color
R_{YB}	31, 244, 22
Decimal	16050966
CIE _{Lab}	91.00, -16.29, 87.55
CIE _{LCh}	91, 89.056, 100.537
Yxy	78.4833, 0.4243, 0.4972
Android (android.graphics.Color)	4294241046 (0xFFFF4EB16)
YUV	213.4090, -94.3646, 26.8283
Hunter-Lab	88.5908, -20.0981, 53.7185

Details

The CIELCh color **91, 89.056, 100.537** 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 **33, 121.780, 304.972**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 74.840, 104.461**, and **71, 74.621, 101.817** is the 20% darker color. If you saturate the color by 10%, you get **91, 90.844, 100.183**, and if you desaturate by 10%, it is **91, 84.761, 101.058**.

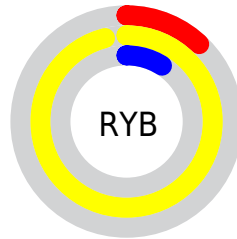
Distribution



Red (96%)

Green (92%)

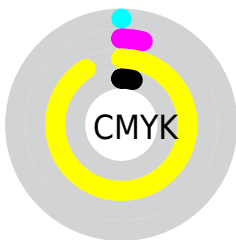
Blue (9%)



Red (12%)

Yellow (96%)

Blue (9%)

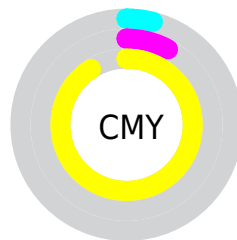


Cyan (0%)

Magenta (4%)

Yellow (91%)

Black (4%)



Cyan (4%)


Magenta (8%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 89.056, 100.537 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, 89.056, 100.537 by changing the saturation by 10% instead.


 91, 89.056,
100.537


 91, 89.056,
100.537

 100, 89.056,
100.537


 81, 89.056,
100.537


 71, 89.056,
100.537

 61, 89.056,
100.537

 51, 89.056,
100.537

 41, 89.056,
100.537

 31, 89.056,
100.537

 21, 89.056,

100.537

■ 11, 89.056,
100.537

■ 1, 89.056, 100.537

■ 91, 89.056,
100.537

■ 91, 89.056,
100.537

■ 91, 90.844,
100.183

■ 91, 84.761,
101.058

■ 92, 77.934,
101.730

■ 92, 69.148,
102.532

■ 93, 59.025,
103.431

93, 48.059,
104.395

94, 36.590,
105.396

94, 24.838,
106.412

95, 12.941,
107.424

96, 0.986, 108.338

Harmonies

Complementary

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



91, 89.056, 100.537



33, 121.780, 304.972

Rectangle

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



91, 89.056, 100.537



91, 89.056, 150.537



91, 89.056, 280.537



91, 89.056, 330.537

Sweetspot

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



91, 89.055, 100.539



98, 33.312, 105.778



52, 93.234, 35.598



52, 22.404, 105.431



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, 89.055, 100.539



94, 94.015, 100.176



87, 100.653, 125.513



51, 6.815, 107.559



71, 74.257, 100.229



23, 32.084, 100.942

Inverse Universe

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



33, 121.780, 304.972



33, 132.239, 305.962



40, 117.562, 311.150



47, 6.957, 289.535



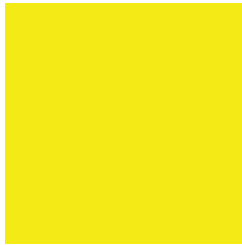
23, 103.798, 305.805



3, 38.778, 299.104

Previews

White Background



This preview shows how the CIELCh color 91, 89.056, 100.537 looks on a white background.

Color Contrast Check

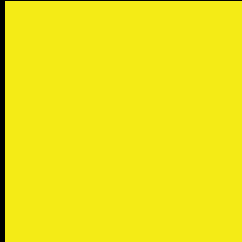
Large Text (above 18pt) WCAG AA × Fail

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, 89.056, 100.537 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, 89.056, 100.537

Background



This preview shows how black text looks on a background with the CIELCh color 91, 89.056, 100.537.



This preview shows how white text looks on a background with the CIELCh color 91, 89.056, 100.537.

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, 89.188, 100.531

Protanopia

91, 69.215, 95.749

Deuteranopia

91, 24.486, 78.831



Tritanopia
91, 14.550, 350.672

Trichromacy



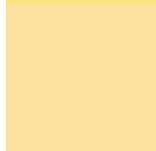
Original Color
91, 89.188, 100.531



Protanomaly
91, 78.681, 97.878



Deuteranomaly
91, 52.927, 95.493



Tritanomaly
90, 36.549, 90.642

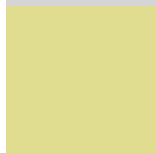
Monochromacy



Original Color
91, 89.188, 100.531



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 39.561, 105.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 89.056, 100.537 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(244, 235, 22)` looks like.

```
.text, #text, p{  
    color:rgb(244, 235, 22)  
}
```

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(244, 235, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 235, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 89.056, 100.537 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(244, 235, 22) }
```

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

```
.border{ border-color:rgb(244, 235, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 235, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 235, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 235, 22);  
box-shadow:4px 4px 4px 4px rgb(244, 235,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 89.056, 100.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 235, 22) }
```

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

```
.background{ background-color: rgb(244,  
235, 22) }
```

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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