

Converting Colors

CIELCh(90, 42.381, 100.445)

Have a look what the booklet for
CIELCh(90, 42.381, 100.445)
contains.

CIELCh(90, 42.117, 100.094)	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(90, 42.117, 100.094)

Conversions

Conversions Part 1

Format	Color
Hex	F0E492
RGB	240, 228, 146
RGB Percent	94%, 89%, 57%
CMY	0.0577, 0.1047, 0.4264
CMYK	0.00, 0.05, 0.39, 0.06
HSL	52°, 76%, 76%
HSV	52°, 39%, 94%
XYZ	69.0655, 76.3034, 38.3917
YIQ	222.2400, 33.4740, -22.9580

Conversions

Conversions Part 2

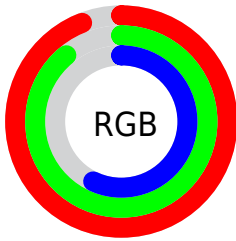
Format	Color
R _Y B	160, 240, 146
Decimal	15787154
CIE Lab	90.00, -7.38, 41.47
CIE LCh	90, 42.117, 100.094
Yxy	76.3034, 0.3758, 0.4152
Android (android.graphics.Color)	4293977234 (0xFFFF0E492)
YUV	222.2400, -37.5863, 15.5755
Hunter-Lab	87.3518, -11.7330, 35.0879

Details

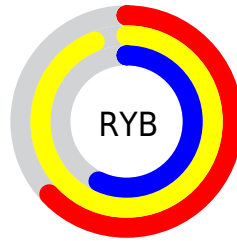
The CIELCh color **90, 42.117, 100.094** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **67, 45.288, 290.155**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 27.235, 108.110**, and **70, 42.230, 99.988** is the 20% darker color. If you saturate the color by 10%, you get **89, 52.448, 98.975**, and if you desaturate by 10%, it is **91, 31.475, 101.224**.

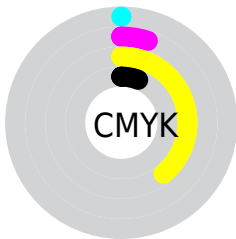
Distribution



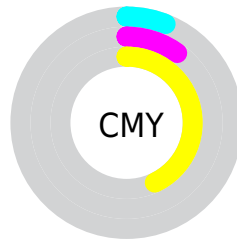
- Red (94%)
- Green (89%)
- Blue (57%)



- Red (63%)
- Yellow (94%)
- Blue (57%)



- Cyan (0%)
- Magenta (5%)
- Yellow (39%)
- Black (6%)





- Cyan (6%)
- Magenta (10%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 42.117, 100.094 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, 42.117, 100.094 by changing the saturation by 10% instead.


 90, 42.117,
100.094


 90, 42.117,
100.094


 100, 42.117,
100.094


 80, 42.117,
100.094

 70, 42.117,
100.094

 60, 42.117,
100.094

 50, 42.117,
100.094

 40, 42.117,
100.094

 30, 42.117,
100.094

 20, 42.117,

100.094

■ 10, 42.117,
100.094

■ 0, 42.117, 100.094

■ 90, 42.117,
100.094

■ 90, 42.117,
100.094

■ 89, 52.448, 98.975

■ 91, 31.475,
101.224

■ 88, 62.183, 97.871

■ 92, 20.688,
102.341

■ 87, 70.882, 96.800

■ 86, 77.921, 95.770

■ 94, 9.860, 103.433

■ 85, 82.594, 94.775

■ 95, 0.952, 284.661

■ 84, 84.638, 93.788

■ 96, 5.926, 279.473

84, 84.767, 93.702

97, 4.756, 262.917

98, 4.182, 239.198

98, 4.437, 213.738

99, 5.063, 199.215

Harmonies

Complementary

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



90, 42.117, 100.094



67, 45.288, 290.155

Rectangle

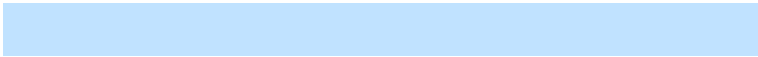
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 42.117, 100.094



90, 42.117, 150.094



90, 42.117, 280.094



90, 42.117, 330.094

Sweetspot

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



90, 42.118, 100.098



98, 13.610, 103.119



71, 37.900, 13.169



52, 9.029, 102.976



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, 42.118, 100.098



94, 52.761, 99.196



91, 49.361, 122.209



50, 6.126, 103.396



66, 69.368, 93.873



20, 28.617, 95.614

Inverse Universe

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



67, 45.288, 290.155



65, 57.972, 291.822



67, 53.189, 306.763



46, 6.226, 285.516



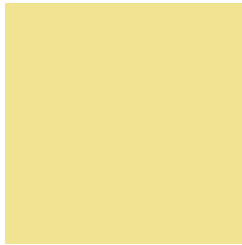
24, 97.733, 304.397



4, 34.467, 296.385

Previews

White Background



This preview shows how the CIELCh color 90, 42.117, 100.094 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, 42.117, 100.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

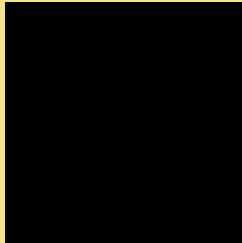
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 42.117, 100.094

Background



This preview shows how black text looks on a background with the CIELCh color 90, 42.117, 100.094.



This preview shows how white text looks on a background with the CIELCh color 90, 42.117, 100.094.

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, 42.117, 100.094

Protanopia

90, 42.233, 95.631

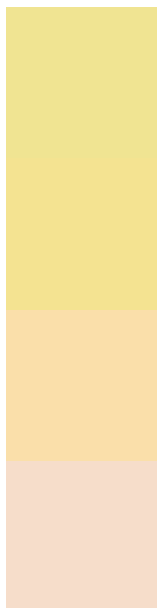
Deuteranopia

90, 23.238, 72.656



Tritanopia
90, 14.793, 343.930

Trichromacy



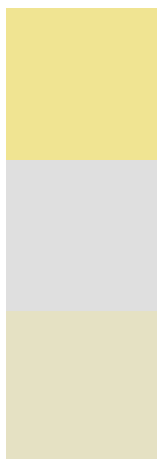
Original Color
90, 42.117, 100.094

Protanomaly
90, 42.454, 97.347

Deuteranomaly
90, 29.462, 86.611

Tritanomaly
90, 13.666, 65.678

Monochromacy



Original Color
90, 42.117, 100.094

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 15.597, 103.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 42.117, 100.094 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(240, 228, 146)` looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 146)  
}
```

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(240, 228, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 42.117, 100.094 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(240, 228, 146) }
```

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

```
.border{ border-color:rgb(240, 228, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 228, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 228, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 228, 146);  
box-shadow:4px 4px 4px 4px rgb(240, 228,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 42.117, 100.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 146) }
```

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

```
.background{ background-color: rgb(240,  
228, 146) }
```

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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