

Converting Colors

CIELCh(91, 64.916, 102.697)

Have a look what the booklet for
CIELCh(91, 64.916, 102.697)
contains.

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Color

CIELCh(91, 64.934, 102.677)

Conversions

Conversions Part 1

Format	Color
Hex	F0EA66
RGB	240, 234, 102
RGB Percent	94%, 92%, 40%
CMY	0.0580, 0.0816, 0.5992
CMYK	0.00, 0.02, 0.57, 0.06
HSL	57°, 82%, 67%
HSV	57°, 57%, 94%
XYZ	67.8930, 78.4833, 24.1904
YIQ	220.7460, 45.9480, -39.7800

Conversions

Conversions Part 2

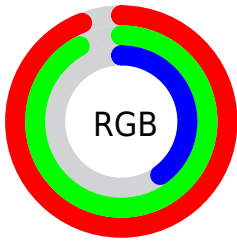
Format	Color
R_{YB}	108, 240, 102
Decimal	15788646
CIE _{Lab}	91.00, -14.25, 63.35
CIE _{LCh}	91, 64.934, 102.677
Yxy	78.4833, 0.3980, 0.4601
Android (android.graphics.Color)	4293978726 (0xFFFF0EA66)
YUV	220.7460, -58.5418, 16.8858
Hunter-Lab	88.5908, -18.2375, 45.8240

Details

The CIELCh color **91, 64.934, 102.677** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **52, 76.082, 297.633**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **71, 65.065, 102.936** is the 20% darker color. If you saturate the color by 10%, you get **91, 74.125, 101.833**, and if you desaturate by 10%, it is **92, 54.615, 103.610**.

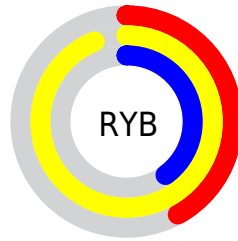
Distribution



Red (94%)

Green (92%)

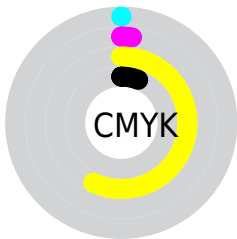
Blue (40%)



Red (42%)

Yellow (94%)

Blue (40%)

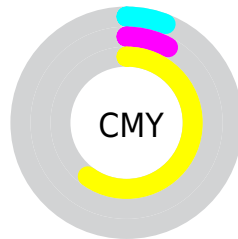


Cyan (0%)

Magenta (2%)

Yellow (57%)

Black (6%)



Cyan (6%)


Magenta (8%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 64.934, 102.677 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, 64.934, 102.677 by changing the saturation by 10% instead.


 91, 64.934,
102.677


 91, 64.934,
102.677

 100, 64.934,
102.677


 81, 64.934,
102.677


 71, 64.934,
102.677

 61, 64.934,
102.677

 51, 64.934,
102.677

 41, 64.934,
102.677

 31, 64.934,
102.677

 21, 64.934,

102.677

■ 11, 64.934,
102.677

■ 1, 64.934, 102.677

■ 91, 64.934,
102.677

■ 91, 64.934,
102.677

■ 91, 74.125,
101.833

■ 92, 54.615,
103.610

■ 90, 81.603,
101.103

■ 92, 43.599,
104.593

■ 90, 86.752,
100.518

■ 93, 32.175,
105.605

■ 89, 89.261,
100.079

■ 93, 20.530,
106.624

89, 89.671, 99.980

94, 8.777, 107.632

95, 3.010, 288.668

96, 6.931, 286.991

96, 6.421, 283.429

96, 5.940, 279.279

Harmonies

Complementary

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



91, 64.934, 102.677



52, 76.082, 297.633

Rectangle

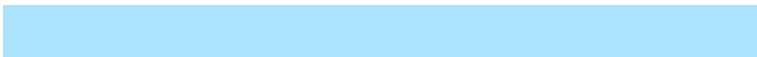
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 64.934, 102.677



91, 64.934, 152.677



91, 64.934, 282.677



91, 64.934, 332.677

Sweetspot

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



91, 64.935, 102.680



99, 20.988, 106.665



61, 58.517, 23.425



52, 14.031, 106.460



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, 64.935, 102.680



95, 79.086, 101.695



88, 72.058, 124.673



50, 6.678, 107.431



70, 73.344, 100.030



22, 30.771, 100.912

Inverse Universe

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



52, 76.082, 297.633



47, 97.656, 300.421



56, 79.571, 310.531



46, 6.816, 289.407



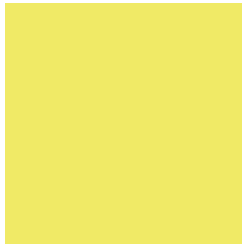
22, 102.575, 305.761



3, 36.663, 297.992

Previews

White Background



This preview shows how the CIELCh color 91, 64.934, 102.677 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, 64.934, 102.677 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, 64.934, 102.677

Background



This preview shows how black text looks on a background with the CIELCh color 91, 64.934, 102.677.



This preview shows how white text looks on a background with the CIELCh color 91, 64.934, 102.677.

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, 64.934, 102.677

Protanopia

91, 64.344, 95.137

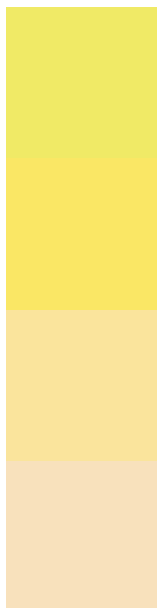
Deuteranopia

91, 23.126, 77.173



Tritanopia
91, 14.757, 343.916

Trichromacy



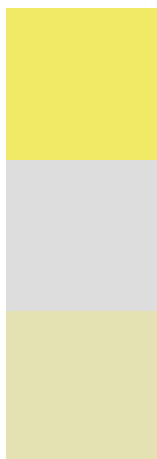
Original Color
91, 64.934, 102.677

Protanomaly
91, 64.655, 97.814

Deuteranomaly
91, 37.963, 93.666

Tritanomaly
91, 21.115, 83.747

Monochromacy



Original Color
91, 64.934, 102.677

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 24.776, 106.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 64.934, 102.677 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, 234, 102)` looks like.

```
.text, #text, p{  
    color:rgb(240, 234, 102)  
}
```

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, 234, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 64.934, 102.677 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, 234, 102) }
```

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

```
.border{ border-color:rgb(240, 234, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 234, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 102);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 64.934, 102.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 102) }
```

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

```
.background{ background-color: rgb(240,  
234, 102) }
```

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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