

Converting Colors

CIELCh(91, 70.904, 104.745)

Have a look what the booklet for
CIELCh(91, 70.904, 104.745)
contains.

CIELCh(91, 71.010, 104.764)	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, 71.010, 104.764)

Conversions

Conversions Part 1

Format	Color
Hex	EBEC59
RGB	235, 236, 89
RGB Percent	92%, 93%, 35%
CMY	0.0778, 0.0739, 0.6504
CMYK	0.00, 0.00, 0.62, 0.07
HSL	60°, 80%, 64%
HSV	60°, 62%, 93%
XYZ	66.1554, 78.4833, 21.1441
YIQ	218.9430, 46.5910, -45.9290

Conversions

Conversions Part 2

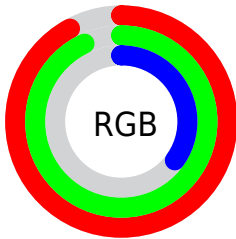
Format	Color
R _Y B	89, 236, 90
Decimal	15461465
CIE Lab	91.00, -18.10, 68.67
CIE LCh	91, 71.010, 104.764
Yxy	78.4833, 0.3990, 0.4734
Android (android.graphics.Color)	4293651545 (0xFFEBEC59)
YUV	218.9430, -64.0619, 14.0820
Hunter-Lab	88.5908, -21.7386, 47.8627

Details

The CIELCh color **91, 71.010, 104.764** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **46, 85.915, 300.328**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.455, 106.010**, and **71, 70.916, 104.639** is the 20% darker color. If you saturate the color by 10%, you get **91, 79.498, 104.116**, and if you desaturate by 10%, it is **91, 61.074, 105.548**.

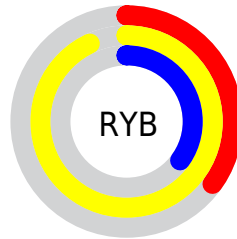
Distribution



Red (92%)

Green (93%)

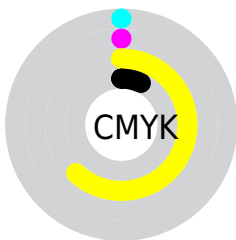
Blue (35%)



Red (35%)

Yellow (93%)

Blue (35%)

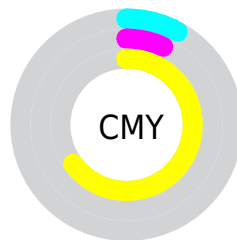


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (7%)



Cyan (8%)


Magenta (7%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 71.010, 104.764 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, 71.010, 104.764 by changing the saturation by 10% instead.


 91, 71.010,
104.764


 91, 71.010,
104.764


 100, 71.010,
104.764


 81, 71.010,
104.764

 71, 71.010,
104.764

 61, 71.010,
104.764

 51, 71.010,
104.764

 41, 71.010,
104.764

 31, 71.010,
104.764

 21, 71.010,

104.764

■ 11, 71.010,
104.764

■ 1, 71.010, 104.764

■ 91, 71.010,
104.764

■ 91, 71.010,
104.764

■ 91, 79.498,
104.116

■ 91, 61.074,
105.548

■ 91, 85.952,
103.640

■ 92, 50.186,
106.420

■ 91, 89.908,
103.369

■ 92, 38.708,
107.348

■ 91, 91.445,
103.280

■ 92, 26.877,
108.305

■ 93, 14.850,
109.269

■ 93, 2.724, 110.207

■ 94, 9.435, 291.179

■ 94, 9.720, 291.516

■ 94, 9.722, 291.840

Harmonies

Complementary

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



91, 71.010, 104.764



46, 85.915, 300.328

Rectangle

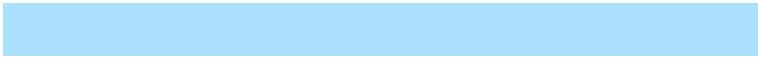
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 71.010, 104.764



91, 71.010, 154.764



91, 71.010, 284.764



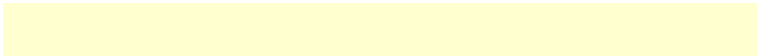
91, 71.010, 334.764

Sweetspot

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



91, 71.011, 104.766



99, 24.460, 108.611



58, 64.358, 28.233



53, 16.813, 108.334



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, 71.011, 104.766



97, 86.607, 103.950



86, 77.248, 126.376



49, 6.853, 109.536



71, 74.942, 103.273



21, 30.653, 103.843

Inverse Universe

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



46, 85.915, 300.328



41, 111.082, 303.140



53, 84.933, 312.196



45, 7.007, 291.420



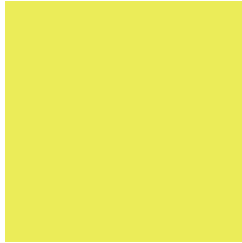
21, 103.440, 306.308



2, 35.748, 297.912

Previews

White Background



This preview shows how the CIELCh color 91, 71.010, 104.764 looks on a white background.

Color Contrast Check

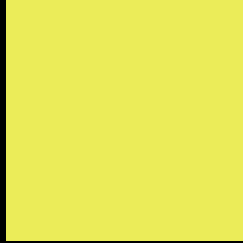
Large Text (above 18pt) WCAG AA × Fail

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, 71.010, 104.764 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, 71.010, 104.764

Background



This preview shows how black text looks on a background with the CIELCh color 91, 71.010, 104.764.

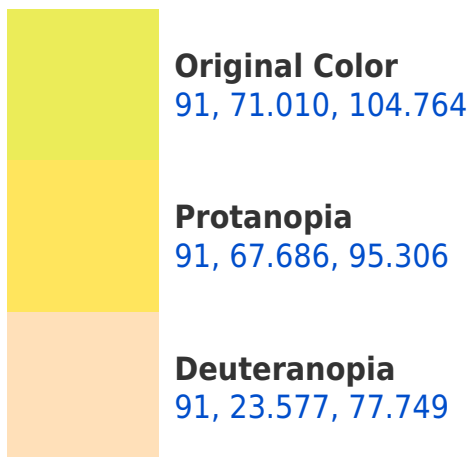


This preview shows how white text looks on a background with the CIELCh color 91, 71.010, 104.764.

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](#).

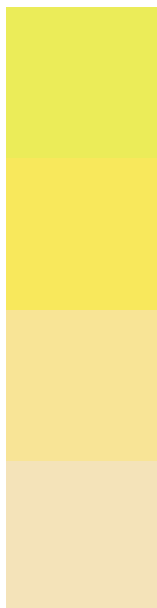
Dichromacy





Tritanopia
91, 13.692, 337.487

Trichromacy



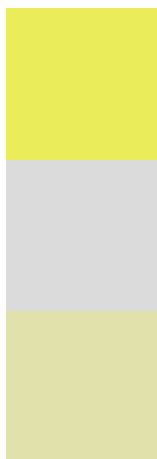
Original Color
91, 71.010, 104.764

Protanomaly
91, 68.636, 98.945

Deuteranomaly
91, 40.709, 95.428

Tritanomaly
91, 22.651, 91.538

Monochromacy



Original Color
91, 71.010, 104.764

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 27.341, 107.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 71.010, 104.764 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(235, 236, 89)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 89)  
}
```

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(235, 236, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 71.010, 104.764 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(235, 236, 89) }
```

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

```
.border{ border-color:rgb(235, 236, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 89);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 71.010, 104.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 89) }
```

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

```
.background{ background-color: rgb(235,  
236, 89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor