

Converting Colors

CIELCh(91, 90.396, 96.552)

Have a look what the booklet for
CIELCh(91, 90.396, 96.552) contains.

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Color

CIELCh(91, 90.270, 96.570)

Conversions

Conversions Part 1

Format	Color
Hex	FEE704
RGB	254, 231, 4
RGB Percent	100%, 91%, 2%
CMY	0.0025, 0.0928, 0.9832
CMYK	0.00, 0.09, 0.98, 0.00
HSL	54°, 99%, 51%
HSV	54°, 98%, 100%
XYZ	69.6958, 78.4833, 11.5977
YIQ	211.9990, 86.5750, -65.7210

Conversions

Conversions Part 2

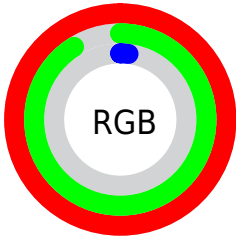
Format	Color
RYB	29, 254, 4
Decimal	16705284
CIELab	91.00, -10.33, 89.68
CIELCh	91, 90.270, 96.570
Yxy	78.4833, 0.4362, 0.4912
Android (android.graphics.Color)	4294895364 (0xFFFE704)
YUV	211.9990, -102.5435, 36.8349
Hunter-Lab	88.5908, -14.6050, 54.2517

Details

The CIELCh color **91, 90.270, 96.570** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **34, 128.050, 305.169**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **71, 73.753, 97.212** is the 20% darker color. If you saturate the color by 10%, you get **91, 90.508, 96.451**, and if you desaturate by 10%, it is **92, 88.038, 97.311**.

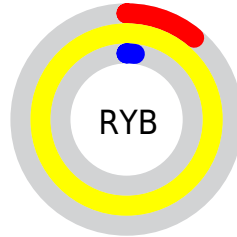
Distribution



Red (100%)

Green (91%)

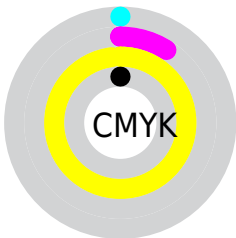
Blue (2%)



Red (11%)

Yellow (100%)

Blue (2%)

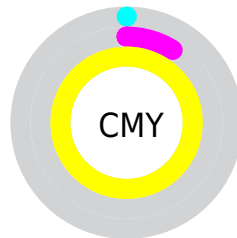


Cyan (0%)

Magenta (9%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 90.270, 96.570 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, 90.270, 96.570 by changing the saturation by 10% instead.

 91, 90.270, 96.570

 91, 90.270, 96.570

 100, 90.270,
96.570

 81, 90.270, 96.570

 71, 90.270, 96.570

 61, 90.270, 96.570

 51, 90.270, 96.570

 41, 90.270, 96.570

 31, 90.270, 96.570

 21, 90.270, 96.570

 11, 90.270, 96.570

 1, 90.270, 96.570

■ 91, 90.270, 96.570

■ 91, 90.270, 96.570

■ 91, 90.508, 96.451

■ 92, 88.038, 97.311

■ 92, 82.998, 98.123

■ 93, 75.479, 99.021

■ 94, 66.182, 99.996

■ 95, 55.749,
101.027

■ 96, 44.642,
102.092

■ 97, 33.162,
103.172

■ 98, 21.495,
104.249

■ 99, 9.755, 105.307

Harmonies

Complementary

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



91, 90.270, 96.570



34, 128.050, 305.169

Rectangle

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



91, 90.270, 96.570



91, 90.270, 146.570



91, 90.270, 276.570



91, 90.270, 326.570

Sweetspot

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



91, 90.269, 96.572



97, 34.028, 103.097



53, 98.916, 36.092



51, 23.305, 102.636



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, 90.269, 96.572



91, 90.680, 96.450



91, 105.099, 124.462



53, 6.686, 105.183



70, 73.114, 96.569



24, 33.052, 97.570

Inverse Universe

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



34, 128.050, 305.169



34, 129.477, 305.376



38, 126.699, 309.744



49, 6.809, 287.253



24, 103.379, 305.130



4, 41.201, 300.116

Previews

White Background



This preview shows how the CIELCh color 91, 90.270, 96.570 looks on a white background.

Color Contrast Check

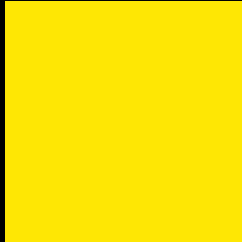
Large Text (above 18pt) WCAG AA × Fail

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, 90.270, 96.570 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, 90.270, 96.570

Background



This preview shows how black text looks on a background with the CIELCh color 91, 90.270, 96.570.


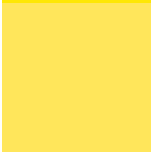
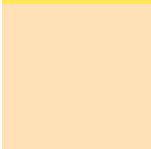


This preview shows how white text looks on a background with the CIELCh color 91, 90.270, 96.570.

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, 90.192, 96.570
	Protanopia 91, 68.813, 95.735
	Deuteranopia 91, 24.725, 80.147



Tritanopia
91, 13.892, 356.291

Trichromacy



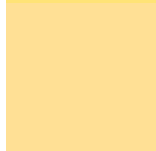
Original Color
91, 90.192, 96.570



Protanomaly
91, 80.201, 95.981



Deuteranomaly
91, 56.181, 93.608



Tritanomaly
90, 40.617, 88.880

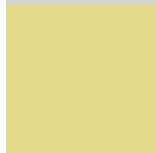
Monochromacy



Original Color
91, 90.192, 96.570



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 42.705, 102.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 90.270, 96.570 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(254, 231, 4)` looks like.

```
.text, #text, p{  
    color:rgb(254, 231, 4)  
}
```

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(254, 231, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 231, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 90.270, 96.570 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(254, 231, 4) }
```

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

```
.border{ border-color:rgb(254, 231, 4) }
```

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

Here you see how a box with a 4 pixel rgb(254, 231, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 231, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 231, 4);  
box-shadow:4px 4px 4px 4px rgb(254, 231,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 90.270, 96.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 231, 4) }
```

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

```
.background{ background-color: rgb(254,  
231, 4) }
```

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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