

Converting Colors

CIELCh(91, 90.913, 96.740)

Have a look what the booklet for
CIELCh(91, 90.913, 96.740) contains.

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Color

CIELCh(91, 90.743, 96.863)

Conversions

Conversions Part 1

Format	Color
Hex	FEE800
RGB	254, 232, 0
RGB Percent	100%, 91%, 0%
CMY	0.0056, 0.0917, 1.0000
CMYK	0.00, 0.09, 1.00, 0.01
HSL	55°, 100%, 50%
HSV	55°, 100%, 99%
XYZ	69.4573, 78.4833, 11.4458
YIQ	212.1300, 87.5840, -67.4880

Conversions

Conversions Part 2

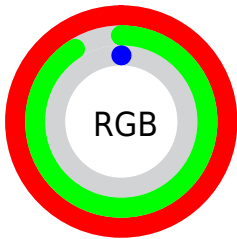
Format	Color
RYB	24, 254, 0
Decimal	16705536
CIELab	91.00, -10.84, 90.09
CIElCh	91, 90.743, 96.863
Yxy	78.4833, 0.4358, 0.4924
Android (android.graphics.Color)	4294895616 (0xFFEE800)
YUV	212.1300, -104.5801, 36.7200
Hunter-Lab	88.5908, -15.0857, 54.3534

Details

The CIELCh color **91, 90.743, 96.863** 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 **33, 129.275, 305.451**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **71, 74.012, 97.591** is the 20% darker color. If you saturate the color by 10%, you get **91, 90.630, 96.867**, and if you desaturate by 10%, it is **92, 88.717, 97.559**.

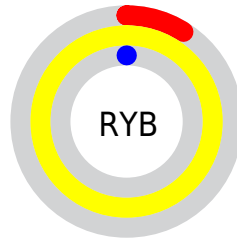
Distribution



Red (100%)

Green (91%)

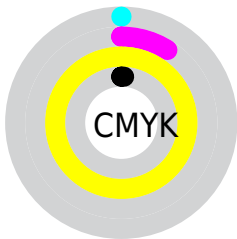
Blue (0%)



Red (9%)

Yellow (100%)

Blue (0%)

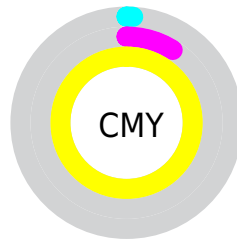


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 90.743, 96.863 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, 90.743, 96.863 by changing the saturation by 10% instead.

 91, 90.743, 96.863

 91, 90.743, 96.863

 100, 90.743,
96.863

 81, 90.743, 96.863

 71, 90.743, 96.863

 61, 90.743, 96.863

 51, 90.743, 96.863

 41, 90.743, 96.863

 31, 90.743, 96.863

 21, 90.743, 96.863

 11, 90.743, 96.863

 1, 90.743, 96.863

■ 91, 90.743, 96.863

■ 91, 90.743, 96.863

■ 91, 90.630, 96.867

■ 92, 88.717, 97.559

■ 92, 84.157, 98.327

■ 93, 77.019, 99.189

■ 94, 67.978,
100.136

■ 94, 57.696,
101.147

■ 95, 46.665,
102.197

■ 96, 35.212,
103.268

■ 97, 23.540,
104.340

■ 98, 11.774,

Harmonies

Complementary

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



91, 90.743, 96.863



33, 129.275, 305.451

Rectangle

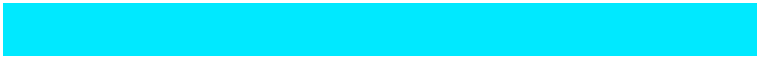
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 90.743, 96.863



91, 90.743, 146.863



91, 90.743, 276.863



91, 90.743, 326.863

Sweetspot

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



91, 90.630, 96.867



97, 35.373, 103.267



53, 99.755, 36.698



51, 24.083, 102.814



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, 90.630, 96.867



91, 91.015, 96.865



90, 105.374, 124.662



53, 6.724, 105.448



71, 73.381, 96.976



24, 33.195, 97.922

Inverse Universe

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



33, 129.275, 305.451



34, 129.843, 305.455



38, 127.196, 309.661



49, 6.850, 287.509



24, 103.707, 305.220



4, 41.376, 300.224

Previews

White Background



This preview shows how the CIELCh color 91, 90.743, 96.863 looks on a white background.

Color Contrast Check

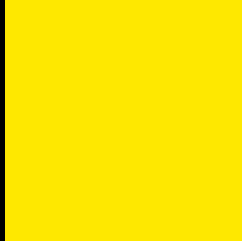
Large Text (above 18pt) WCAG AA × Fail

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, 90.743, 96.863 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, 90.743, 96.863

Background



This preview shows how black text looks on a background with the CIELCh color 91, 90.743, 96.863.

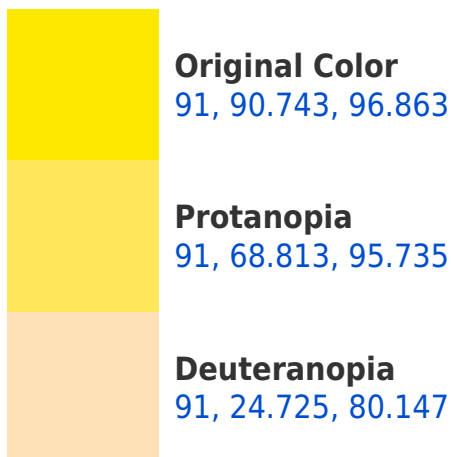


This preview shows how white text looks on a background with the CIELCh color 91, 90.743, 96.863.

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, 13.892, 356.291

Trichromacy



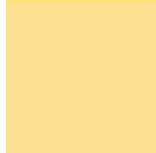
Original Color
91, 90.743, 96.863



Protanomaly
91, 80.717, 96.619



Deuteranomaly
90, 56.994, 94.119



Tritanomaly
90, 41.443, 89.725

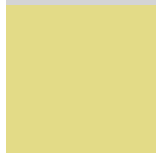
Monochromacy



Original Color
91, 90.743, 96.863



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 43.197, 102.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 90.743, 96.863 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, 232, 0)` looks like.

```
.text, #text, p{  
  color:rgb(254, 232, 0)  
}
```

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, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 232, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 90.743, 96.863 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, 232, 0) }
```

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

```
.border{ border-color:rgb(254, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 232,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 90.743, 96.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 232, 0) }
```

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

```
.background{ background-color: rgb(254,  
232, 0) }
```

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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