

Converting Colors

CIELCh(91, 88.651, 97.234)

Have a look what the booklet for
CIELCh(91, 88.651, 97.234) contains.

CIELCh(91, 88.687, 97.167)	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, 88.687, 97.167)

Conversions

Conversions Part 1

Format	Color
Hex	FDE815
RGB	253, 232, 21
RGB Percent	99%, 91%, 8%
CMY	0.0088, 0.0910, 0.9157
CMYK	0.00, 0.08, 0.91, 0.01
HSL	55°, 98%, 54%
HSV	55°, 91%, 99%
XYZ	69.3549, 78.4833, 12.2264
YIQ	214.2250, 80.2470, -61.1690

Conversions

Conversions Part 2

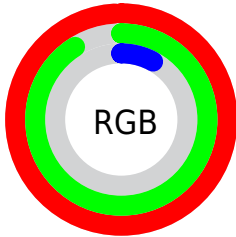
Format	Color
RYB	44, 253, 21
Decimal	16640021
CIELab	91.00, -11.06, 87.99
CIELCh	91, 88.687, 97.167
Yxy	78.4833, 0.4333, 0.4903
Android (android.graphics.Color)	4294830101 (0xFFFDE815)
YUV	214.2250, -95.2599, 34.0057
Hunter-Lab	88.5908, -15.2919, 53.8310

Details

The CIELCh color **91, 88.687, 97.167** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **36, 121.552, 304.083**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.229, 104.432**, and **71, 74.012, 97.591** is the 20% darker color. If you saturate the color by 10%, you get **90, 90.161, 96.559**, and if you desaturate by 10%, it is **92, 84.561, 97.947**.

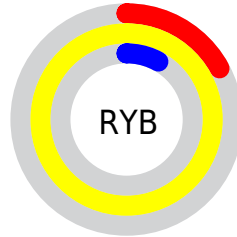
Distribution



Red (99%)

Green (91%)

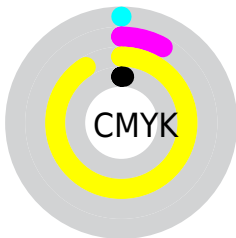
Blue (8%)



Red (17%)

Yellow (99%)

Blue (8%)

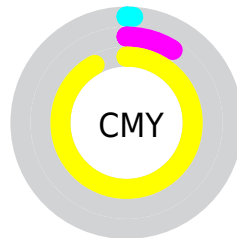


Cyan (0%)

Magenta (8%)

Yellow (91%)

Black (1%)



Cyan (1%)

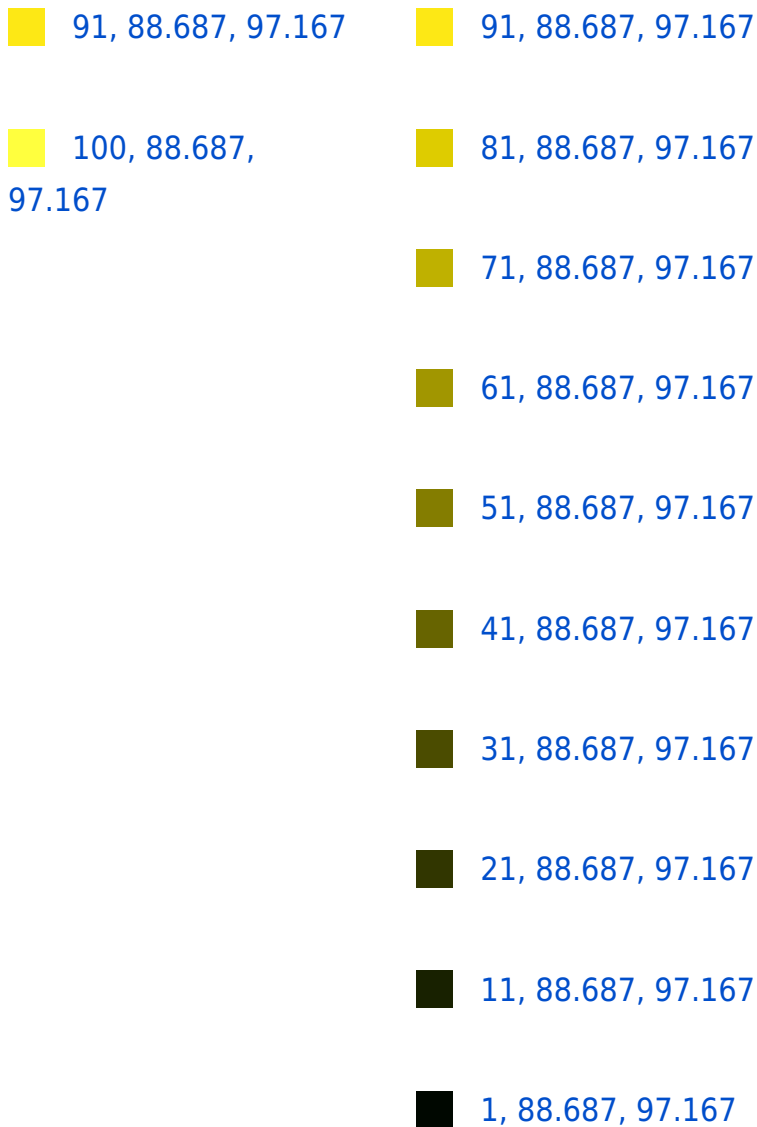
Magenta (9%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 88.687, 97.167 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, 88.687, 97.167 by changing the saturation by 10% instead.



91, 88.687, 97.167

91, 88.687, 97.167

90, 90.161, 96.559

92, 84.561, 97.947

92, 77.787, 98.812

93, 69.017, 99.760

94, 58.929,
100.772

95, 48.042,
101.826

96, 36.702,
102.900

97, 25.125,
103.978

98, 13.443,
105.042

99, 1.737, 106.029

Harmonies

Complementary

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



91, 88.687, 97.167



36, 121.552, 304.083

Rectangle

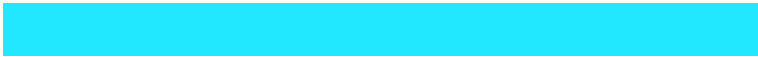
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 88.687, 97.167



91, 88.687, 147.167



91, 88.687, 277.167



91, 88.687, 327.167

Sweetspot

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



91, 88.686, 97.169



97, 31.745, 103.384



54, 93.587, 33.108



51, 21.364, 103.015



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, 88.686, 97.169



91, 90.765, 96.556



91, 102.230, 123.657



53, 6.696, 105.250



70, 73.182, 96.673



24, 33.088, 97.660

Inverse Universe

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



36, 121.552, 304.083



34, 129.572, 305.396



40, 122.503, 310.089



49, 6.819, 287.319



24, 103.464, 305.153



4, 41.245, 300.143

Previews

White Background



This preview shows how the CIELCh color 91, 88.687, 97.167 looks on a white background.

Color Contrast Check

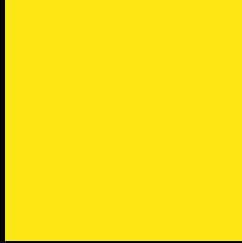
Large Text (above 18pt) WCAG AA × Fail

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, 88.687, 97.167 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, 88.687, 97.167

Background



This preview shows how black text looks on a background with the CIELCh color 91, 88.687, 97.167.


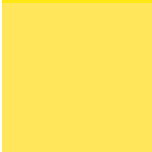
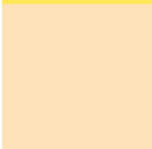


This preview shows how white text looks on a background with the CIELCh color 91, 88.687, 97.167.

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, 88.816, 97.165
	Protanopia 91, 68.813, 95.735
	Deuteranopia 91, 24.725, 80.147



Tritanopia
91, 13.892, 356.291

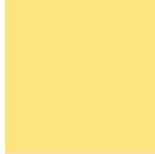
Trichromacy



Original Color
91, 88.816, 97.165



Protanomaly
91, 78.228, 96.610



Deuteranomaly
91, 53.323, 93.710

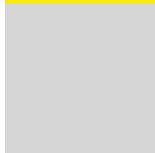


Tritanomaly
90, 37.593, 88.416

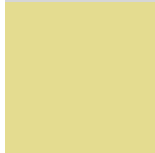
Monochromacy



Original Color
91, 88.816, 97.165



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 39.213, 102.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 88.687, 97.167 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(253, 232, 21)` looks like.

```
.text, #text, p{  
    color:rgb(253, 232, 21)  
}
```

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(253, 232, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 232, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 88.687, 97.167 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(253, 232, 21) }
```

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

```
.border{ border-color:rgb(253, 232, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 232, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 232, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 232, 21);  
box-shadow:4px 4px 4px 4px rgb(253, 232,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 88.687, 97.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 232, 21) }
```

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

```
.background{ background-color: rgb(253,  
232, 21) }
```

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