

Converting Colors

CIELCh(94, 83.981, 99.806)

Have a look what the booklet for
CIELCh(94, 83.981, 99.806) contains.

CIELCh(94, 84.025, 99.795)	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(94, 84.025, 99.795)

Conversions

Conversions Part 1

Format	Color
Hex	FFF23A
RGB	255, 242, 58
RGB Percent	100%, 95%, 23%
CMY	0.0000, 0.0500, 0.7713
CMYK	0.00, 0.05, 0.77, 0.00
HSL	56°, 100%, 61%
HSV	56°, 77%, 100%
XYZ	73.9363, 85.2715, 16.6056
YIQ	224.9110, 66.8120, -54.4680

Conversions

Conversions Part 2

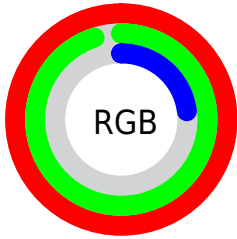
Format	Color
R_{YB}	72, 255, 58
Decimal	16773690
CIE _{Lab}	94.00, -14.29, 82.80
CIE _{LCh}	94, 84.025, 99.795
Yxy	85.2715, 0.4205, 0.4850
Android (android.graphics.Color)	4294963770 (0xFFFFF23A)
YUV	224.9110, -82.2871, 26.3881
Hunter-Lab	92.3426, -18.6791, 53.9779

Details

The CIELCh color **94, 84.025, 99.795** 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 **42, 107.322, 301.687**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 65.737, 105.148**, and **74, 76.532, 100.173** is the 20% darker color. If you saturate the color by 10%, you get **93, 89.407, 99.186**, and if you desaturate by 10%, it is **95, 76.192, 100.684**.

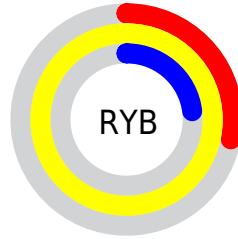
Distribution



Red (100%)

Green (95%)

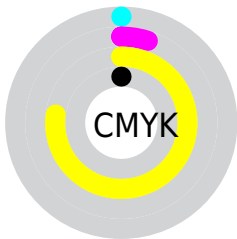
Blue (23%)



Red (28%)

Yellow (100%)

Blue (23%)

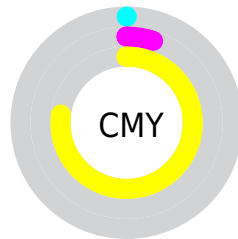


Cyan (0%)

Magenta (5%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 84.025, 99.795 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 94, 84.025, 99.795 by changing the saturation by 10% instead.

 94, 84.025, 99.795

 94, 84.025, 99.795

 100, 84.025,
99.795

 84, 84.025, 99.795

 74, 84.025, 99.795

 64, 84.025, 99.795

 54, 84.025, 99.795

 44, 84.025, 99.795

 34, 84.025, 99.795

 24, 84.025, 99.795

 14, 84.025, 99.795

 4, 84.025, 99.795

■ 94, 84.025, 99.795

■ 94, 84.025, 99.795

■ 93, 89.407, 99.186

■ 95, 76.192,
100.684

■ 93, 91.971, 98.617

■ 95, 66.613,
101.592

■ 93, 92.392, 98.467

■ 96, 55.898,
102.570

■ 97, 44.497,
103.592

■ 97, 32.706,
104.636

■ 98, 20.710,
105.681

■ 99, 8.624, 106.710

100, 0.012,
296.813

Harmonies

Complementary

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



94, 84.025, 99.795



42, 107.322, 301.687

Rectangle

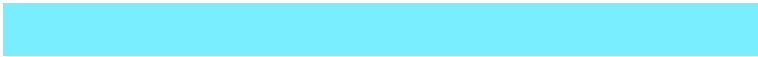
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 84.025, 99.795



94, 84.025, 149.795



94, 84.025, 279.795



94, 84.025, 329.795

Sweetspot

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



94, 84.016, 99.875



98, 27.765, 105.069



57, 82.878, 28.968



52, 19.193, 104.690



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 84.016, 99.875



93, 91.247, 98.839



92, 95.004, 124.008



53, 6.876, 106.469



72, 74.474, 98.546



25, 33.766, 99.278

Inverse Universe

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



42, 107.322, 301.687



35, 126.201, 304.887



47, 109.664, 310.899



49, 7.011, 288.494



24, 104.878, 305.534



4, 42.069, 300.639

Previews

White Background



This preview shows how the CIELCh color 94, 84.025, 99.795 looks on a white background.

Color Contrast Check

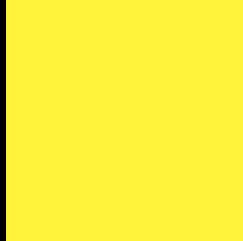
Large Text (above 18pt) WCAG AA × Fail

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 94, 84.025, 99.795 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 94, 84.025, 99.795

Background



This preview shows how black text looks on a background with the CIELCh color 94, 84.025, 99.795.



This preview shows how white text looks on a background with the CIELCh color 94, 84.025, 99.795.

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

94, 84.025, 99.795

Protanopia

94, 37.728, 96.912

Deuteranopia

94, 15.311, 79.783



Tritanopia
94, 10.013, 349.202

Trichromacy



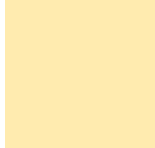
Original Color
94, 84.025, 99.795



Protanomaly
94, 57.116, 99.447



Deuteranomaly
94, 43.098, 97.658

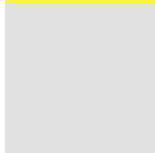


Tritanomaly
93, 31.681, 93.357

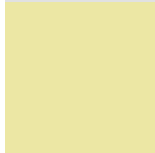
Monochromacy



Original Color
94, 84.025, 99.795



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 34.332, 104.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 84.025, 99.795 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(255, 242, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 58)  
}
```

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(255, 242, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 84.025, 99.795 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(255, 242, 58) }
```

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

```
.border{ border-color:rgb(255, 242, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 84.025, 99.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 58) }
```

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

```
.background{ background-color: rgb(255,  
242, 58) }
```

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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