

Converting Colors

CIELCh(94, 84.710, 99.665)

Have a look what the booklet for
CIELCh(94, 84.710, 99.665) contains.

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Color

CIELCh(94, 84.582, 99.776)

Conversions

Conversions Part 1

Format	Color
Hex	FFF238
RGB	255, 242, 56
RGB Percent	100%, 95%, 22%
CMY	0.0000, 0.0499, 0.7790
CMYK	0.00, 0.05, 0.78, 0.00
HSL	56°, 100%, 61%
HSV	56°, 78%, 100%
XYZ	73.9040, 85.2715, 16.3488
YIQ	224.6830, 67.4540, -55.0900

Conversions

Conversions Part 2

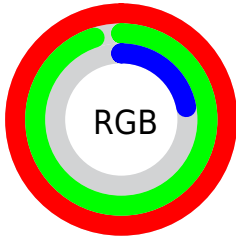
Format	Color
R_{YB}	70, 255, 56
Decimal	16773688
CIE _{Lab}	94.00, -14.36, 83.35
CIE _{LCh}	94, 84.582, 99.776
Yxy	85.2715, 0.4210, 0.4858
Android (android.graphics.Color)	4294963768 (0xFFFFFFFF238)
YUV	224.6830, -83.1607, 26.5880
Hunter-Lab	92.3426, -18.7417, 54.1428

Details

The CIELCh color **94, 84.582, 99.776** 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, 108.489, 301.892**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 66.602, 105.082**, and **74, 76.532, 100.173** is the 20% darker color. If you saturate the color by 10%, you get **93, 89.753, 99.187**, and if you desaturate by 10%, it is **95, 76.911, 100.660**.

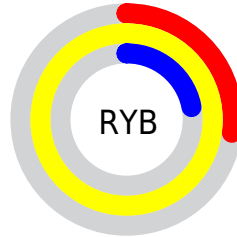
Distribution



Red (100%)

Green (95%)

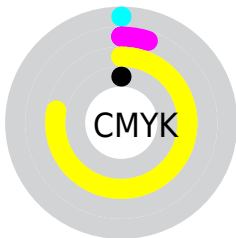
Blue (22%)



Red (27%)

Yellow (100%)

Blue (22%)

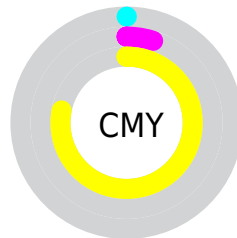


Cyan (0%)

Magenta (5%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 84.582, 99.776 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, 84.582, 99.776 by changing the saturation by 10% instead.

 94, 84.582, 99.776

 94, 84.582, 99.776

 100, 84.582,
99.776

 84, 84.582, 99.776

 74, 84.582, 99.776

 64, 84.582, 99.776

 54, 84.582, 99.776

 44, 84.582, 99.776

 34, 84.582, 99.776

 24, 84.582, 99.776

 14, 84.582, 99.776

 4, 84.582, 99.776

94, 84.582, 99.776

94, 84.582, 99.776

93, 89.753, 99.187

95, 76.911,
100.660

93, 92.132, 98.631

95, 67.440,
101.559

93, 92.442, 98.522

96, 56.790,
102.532

97, 45.424,
103.550

97, 33.648,
104.592

98, 21.655,
105.637

99, 9.564, 106.667

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, 84.582, 99.776



42, 108.489, 301.892

Rectangle

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



94, 84.582, 99.776



94, 84.582, 149.776



94, 84.582, 279.776



94, 84.582, 329.776

Sweetspot

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



94, 84.573, 99.863



98, 27.785, 105.105



57, 83.669, 29.282



52, 19.207, 104.727



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, 84.573, 99.863



93, 91.295, 98.891



92, 95.621, 124.034



53, 6.881, 106.504



72, 74.514, 98.600



25, 33.786, 99.325

Inverse Universe

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



42, 108.489, 301.892



35, 126.264, 304.901



47, 110.532, 310.913



49, 7.017, 288.527



24, 104.915, 305.544



4, 42.094, 300.653

Previews

White Background



This preview shows how the CIELCh color 94, 84.582, 99.776 looks on a white background.

Color Contrast Check

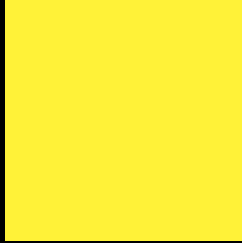
Large Text (above 18pt) WCAG AA × Fail

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, 84.582, 99.776 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, 84.582, 99.776

Background



This preview shows how black text looks on a background with the CIELCh color 94, 84.582, 99.776.



This preview shows how white text looks on a background with the CIELCh color 94, 84.582, 99.776.

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, 84.582, 99.776

Protanopia

94, 37.728, 96.912

Deuteranopia

94, 15.311, 79.783



Tritanopia
94, 10.013, 349.202

Trichromacy



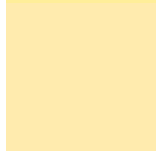
Original Color
94, 84.582, 99.776



Protanomaly
94, 57.574, 99.455



Deuteranomaly
94, 43.583, 97.711



Tritanomaly
93, 32.173, 93.522

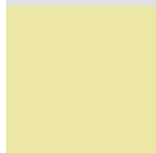
Monochromacy



Original Color
94, 84.582, 99.776



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, 84.582, 99.776 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 84.582, 99.776 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, 56) }
```

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

```
.border{ border-color:rgb(255, 242, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 84.582, 99.776 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
242, 56) }
```

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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