

Converting Colors

CIELCh(100, 78.563, 80.283)

Have a look what the booklet for
CIELCh(100, 78.563, 80.283)
contains.

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Color

CIELCh(94, 70.826, 100.175)

Conversions

Conversions Part 1

Format	Color
Hex	FFF260
RGB	255, 242, 96
RGB Percent	100%, 95%, 38%
CMY	0.0017, 0.0526, 0.6251
CMYK	0.00, 0.05, 0.62, 0.00
HSL	55°, 99%, 69%
HSV	55°, 62%, 100%
XYZ	74.7997, 85.2715, 23.4853
YIQ	229.2430, 54.6140, -42.6500

Conversions

Conversions Part 2

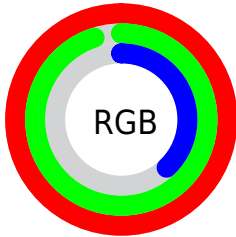
Format	Color
R _Y B	110, 255, 96
Decimal	16773728
CIE Lab	94.00, -12.51, 69.71
CIE LCh	94, 70.826, 100.175
Yxy	85.2715, 0.4075, 0.4646
Android (android.graphics.Color)	4294963808 (0xFFFFFFFF260)
YUV	229.2430, -65.6888, 22.5889
Hunter-Lab	92.3426, -17.0104, 49.5607

Details

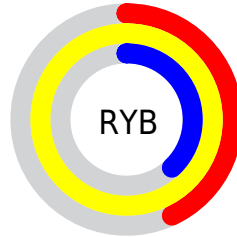
The CIELCh color **94, 70.826, 100.175** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **52, 83.741, 297.442**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 51.169, 106.263**, and **74, 70.680, 100.138** is the 20% darker color. If you saturate the color by 10%, you get **93, 79.505, 99.266**, and if you desaturate by 10%, it is **95, 60.742, 101.163**.

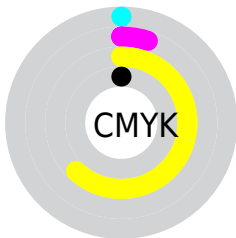
Distribution



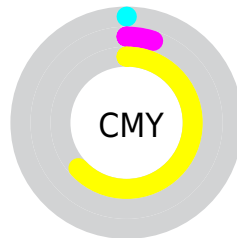
- Red (100%)
- Green (95%)
- Blue (38%)



- Red (43%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (5%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 70.826, 100.175 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, 70.826, 100.175 by changing the saturation by 10% instead.


 94, 70.826,
100.175


 94, 70.826,
100.175


 100, 70.826,
100.175


 84, 70.826,
100.175

 74, 70.826,
100.175

 64, 70.826,
100.175

 54, 70.826,
100.175

 44, 70.826,
100.175

 34, 70.826,
100.175

 24, 70.826,

100.175

■ 14, 70.826,
100.175

■ 4, 70.826, 100.175

■ 94, 70.826,
100.175

■ 94, 70.826,
100.175

■ 93, 79.505, 99.266

■ 95, 60.742,
101.163

■ 93, 86.089, 98.448

■ 96, 49.791,
102.196

■ 92, 89.960, 97.731

■ 92, 91.205, 97.239

■ 96, 38.340,
103.256

■ 97, 26.621,
104.323

■ 98, 14.777,
105.381

■ 100, 2.894,
106.390

100, 0.153,
203.734

Harmonies

Complementary

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



94, 70.826, 100.175



52, 83.741, 297.442

Rectangle

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



94, 70.826, 100.175



94, 70.826, 150.175



94, 70.826, 280.175



94, 70.826, 330.175

Sweetspot

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



94, 70.827, 100.178



98, 22.580, 104.689



62, 66.331, 22.495



52, 15.533, 104.385



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, 70.827, 100.178



93, 81.526, 99.047



93, 80.416, 123.290



53, 6.759, 105.687



71, 73.627, 97.342



24, 33.325, 98.239

Inverse Universe

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



52, 83.741, 297.442



44, 102.406, 300.621



55, 90.539, 309.880



49, 6.887, 287.740



24, 103.995, 305.297



4, 41.535, 300.321

Previews

White Background



This preview shows how the CIELCh color 94, 70.826, 100.175 looks on a white background.

Color Contrast Check

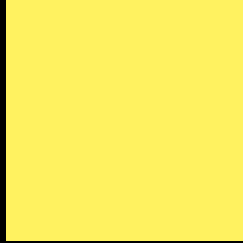
Large Text (above 18pt) WCAG AA × Fail

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, 70.826, 100.175 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, 70.826, 100.175

Background



This preview shows how black text looks on a background with the CIELCh color 94, 70.826, 100.175.

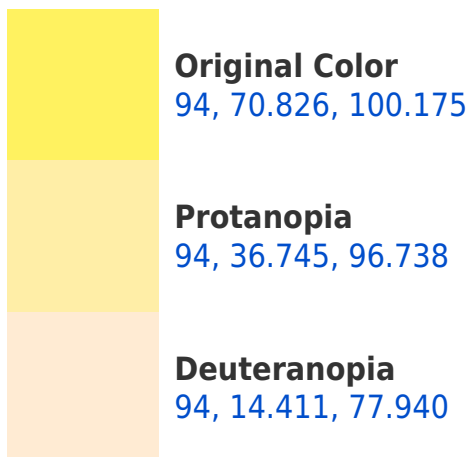


This preview shows how white text looks on a background with the CIELCh color 94, 70.826, 100.175.

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



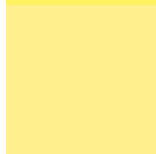


Tritanopia
94, 9.443, 350.728

Trichromacy



Original Color
94, 70.826, 100.175



Protanomaly
94, 49.731, 98.723



Deuteranomaly
94, 35.378, 95.804



Tritanomaly
94, 25.306, 90.473

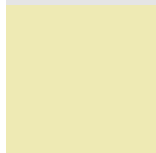
Monochromacy



Original Color
94, 70.826, 100.175



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 27.694, 104.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 70.826, 100.175 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 70.826, 100.175 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, 96) }
```

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

```
.border{ border-color:rgb(255, 242, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 70.826, 100.175 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, 96) }
```

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

```
.background{ background-color: rgb(255,  
242, 96) }
```

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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