

Converting Colors

CIELCh(95, 40.230, 100.872)

Have a look what the booklet for
CIELCh(95, 40.230, 100.872)
contains.

CIELCh(95, 40.171, 100.802)	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(95, 40.171, 100.802)

Conversions

Conversions Part 1

Format	Color
Hex	FEF3A4
RGB	254, 243, 164
RGB Percent	100%, 95%, 64%
CMY	0.0051, 0.0481, 0.3579
CMYK	0.00, 0.04, 0.35, 0.01
HSL	53°, 97%, 82%
HSV	53°, 35%, 99%
XYZ	79.4088, 87.6183, 47.7217
YIQ	237.2830, 31.9150, -22.2370

Conversions

Conversions Part 2

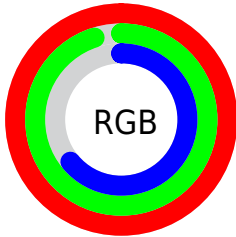
Format	Color
RYB	177, 254, 164
Decimal	16708516
CIELab	95.00, -7.53, 39.46
CIELCh	95, 40.171, 100.802
Yxy	87.6183, 0.3698, 0.4080
Android (android.graphics.Color)	4294898596 (0xFFFEF3A4)
YUV	237.2830, -36.1285, 14.6608
Hunter-Lab	93.6047, -12.3790, 35.2959

Details

The CIELCh color **95, 40.171, 100.802** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 42.888, 289.741**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.699, 108.839**, and **75, 40.245, 100.885** is the 20% darker color. If you saturate the color by 10%, you get **94, 51.152, 99.686**, and if you desaturate by 10%, it is **96, 28.929, 101.926**.

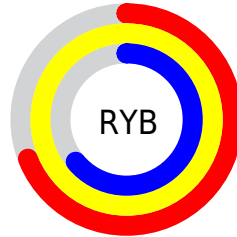
Distribution



Red (100%)

Green (95%)

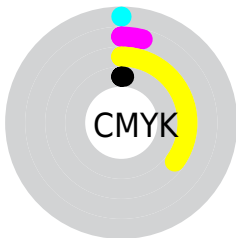
Blue (64%)



Red (69%)

Yellow (100%)

Blue (64%)

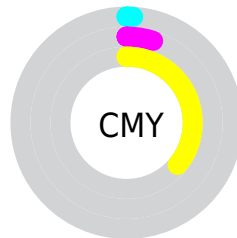


Cyan (0%)

Magenta (4%)

Yellow (35%)

Black (1%)



Cyan (1%)


Magenta (5%)


Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 40.171, 100.802 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 95, 40.171, 100.802 by changing the saturation by 10% instead.

 95, 40.171,
100.802


 95, 40.171,
100.802


 100, 40.171,
100.802


 85, 40.171,
100.802

 75, 40.171,
100.802

 65, 40.171,
100.802

 55, 40.171,
100.802

 45, 40.171,
100.802

 35, 40.171,
100.802

 25, 40.171,

100.802

■ 15, 40.171,
100.802

■ 5, 40.171, 100.802

■ 95, 40.171,
100.802

■ 95, 40.171,
100.802

■ 94, 51.152, 99.686

■ 96, 28.929,
101.926

■ 93, 61.618, 98.582

■ 97, 17.574,
103.033

■ 92, 71.170, 97.510

■ 91, 79.215, 96.481

■ 99, 6.195, 104.106

■ 90, 85.019, 95.501

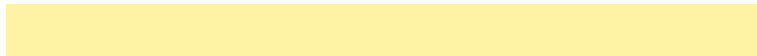
100, 0.449,
200.853

■ 89, 87.986, 94.549

Harmonies

Complementary

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



95, 40.171, 100.802



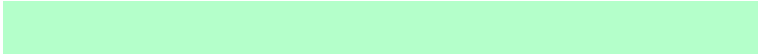
73, 42.888, 289.741

Rectangle

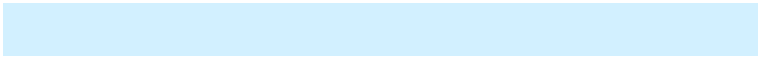
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 40.171, 100.802



95, 40.171, 150.802



95, 40.171, 280.802



95, 40.171, 330.802

Sweetspot

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



95, 40.173, 100.806



98, 12.545, 103.518



76, 35.607, 12.561



52, 8.431, 103.372



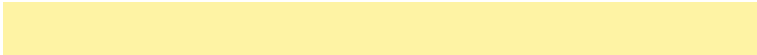
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

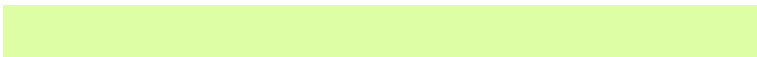
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 40.173, 100.806



95, 48.683, 99.960



95, 46.890, 122.392



53, 6.482, 103.679



69, 71.735, 94.282



23, 32.291, 95.586

Inverse Universe

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



73, 42.888, 289.741



68, 52.982, 291.224



73, 50.132, 306.498



49, 6.591, 285.803



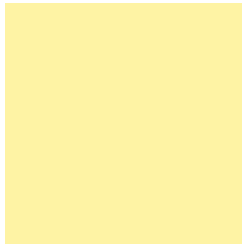
25, 101.355, 304.569



5, 40.244, 299.501

Previews

White Background



This preview shows how the CIE LCh color 95, 40.171, 100.802 looks on a white background.

Color Contrast Check

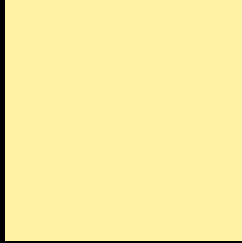
Large Text (above 18pt) WCAG AA × Fail

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 95, 40.171, 100.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

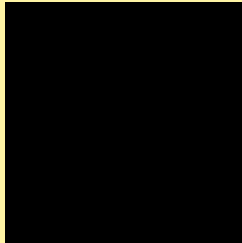
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 40.171, 100.802

Background



This preview shows how black text looks on a background with the CIELCh color 95, 40.171, 100.802.

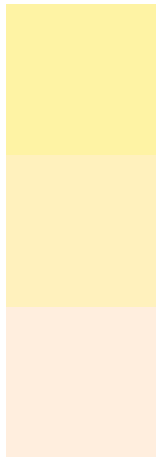


This preview shows how white text looks on a background with the CIELCh color 95, 40.171, 100.802.

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
95, 40.171, 100.802

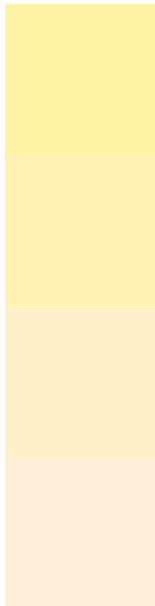
Protanopia
95, 27.043, 96.591

Deuteranopia
95, 10.292, 72.147



Tritanopia
95, 9.093, 341.628

Trichromacy



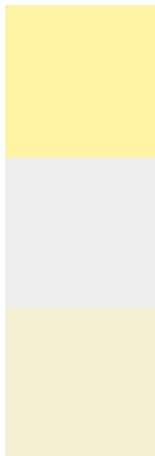
Original Color
95, 40.171, 100.802

Protanomaly
95, 31.915, 98.572

Deuteranomaly
95, 20.718, 92.682

Tritanomaly
95, 12.904, 80.032

Monochromacy



Original Color
95, 40.171, 100.802

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 14.914, 103.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 40.171, 100.802 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, 243, 164)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 164)  
}
```

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, 243, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 40.171, 100.802 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, 243, 164) }
```

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

```
.border{ border-color:rgb(254, 243, 164) }
```

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

Here you see how a box with a 4 pixel rgb(254, 243, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 164);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 40.171, 100.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 164) }
```

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

```
.background{ background-color: rgb(254,  
243, 164) }
```

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