

Converting Colors

CIELCh(97, 19.384, 58.909)

Have a look what the booklet for
CIELCh(97, 19.384, 58.909) contains.

CIELCh(95, 13.636, 83.370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(95, 13.636, 83.370)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD7
RGB	255, 239, 215
RGB Percent	100%, 94%, 84%
CMY	0.0014, 0.0641, 0.1582
CMYK	0.00, 0.06, 0.16, 0.00
HSL	36°, 98%, 92%
HSV	36°, 16%, 100%
XYZ	84.1034, 87.6183, 76.5452
YIQ	241.0480, 17.2400, -4.0720

Conversions

Conversions Part 2

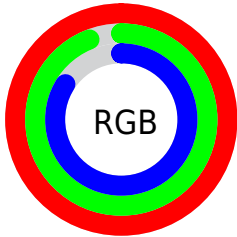
Format	Color
RYB	242, 255, 215
Decimal	16773079
CIELab	95.00, 1.57, 13.54
CIELCh	95, 13.636, 83.370
Yxy	87.6183, 0.3388, 0.3529
Android (android.graphics.Color)	4294963159 (0xFFFFEFD7)
YUV	241.0480, -12.8417, 12.2359
Hunter-Lab	93.6047, -3.4266, 17.0389

Details

The CIELCh color **95, 13.636, 83.370** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 13.415, 267.689**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 13.715, 83.425** is the 20% darker color. If you saturate the color by 10%, you get **92, 22.672, 82.049**, and if you desaturate by 10%, it is **98, 4.871, 84.639**.

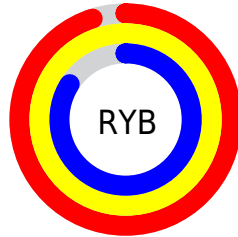
Distribution



Red (100%)

Green (94%)

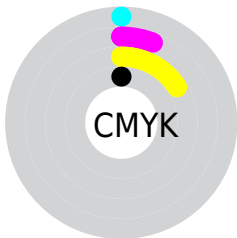
Blue (84%)



Red (95%)

Yellow (100%)

Blue (84%)

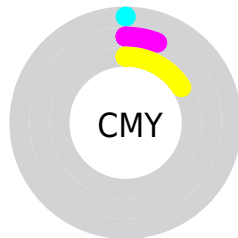


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 13.636, 83.370 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, 13.636, 83.370 by changing the saturation by 10% instead.

 95, 13.636, 83.370

 95, 13.636, 83.370

 100, 13.636,
83.370

 85, 13.636, 83.370

 75, 13.636, 83.370

 65, 13.636, 83.370

 55, 13.636, 83.370

 45, 13.636, 83.370

 35, 13.636, 83.370

 25, 13.636, 83.370

 15, 13.636, 83.370

 5, 13.636, 83.370

95, 13.636, 83.370

95, 13.636, 83.370

92, 22.672, 82.049

98, 4.871, 84.639

89, 31.967, 80.673

100, 0.119,
204.970

86, 41.475, 79.258

83, 51.077, 77.794

81, 60.521, 76.248

78, 69.321, 74.544

76, 76.645, 72.525

73, 81.423, 69.935

72, 82.827, 68.679

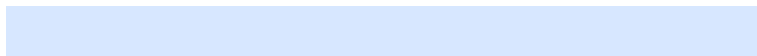
Harmonies

Complementary

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



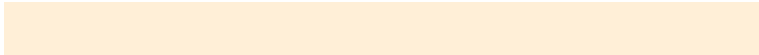
95, 13.636, 83.370



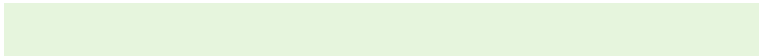
91, 13.415, 267.689

Rectangle

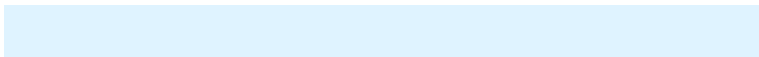
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 13.636, 83.370



95, 13.636, 133.370



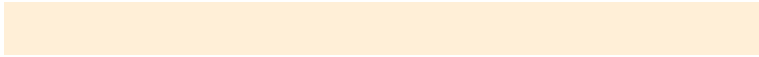
95, 13.636, 263.370



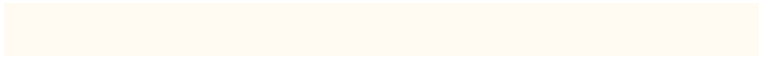
95, 13.636, 313.370

Sweetspot

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



95, 13.637, 83.381



98, 4.270, 84.718



90, 16.676, 350.881



52, 2.917, 84.638



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

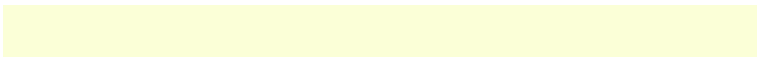
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 13.637, 83.381



94, 16.605, 82.947



99, 20.284, 112.818



52, 4.894, 84.177



55, 66.704, 69.319



18, 27.382, 71.880

Inverse Universe

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



91, 13.415, 267.689



89, 16.266, 268.228



87, 21.022, 295.544



50, 4.854, 266.758



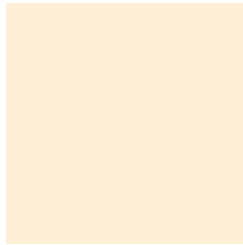
36, 70.588, 292.528



10, 28.358, 286.811

Previews

White Background



This preview shows how the CIE LCh color 95, 13.636, 83.370 looks on a white background.

Color Contrast Check

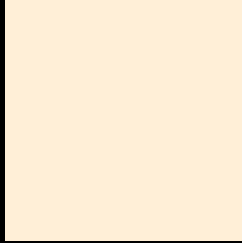
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 95, 13.636, 83.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

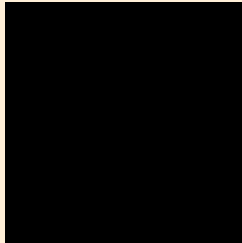
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 13.636, 83.370

Background



This preview shows how black text looks on a background with the CIELCh color 95, 13.636, 83.370.

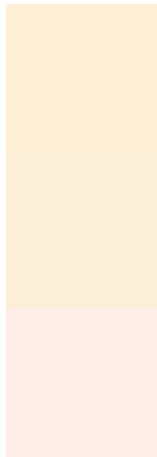


This preview shows how white text looks on a background with the CIELCh color 95, 13.636, 83.370.

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, 13.636, 83.370

Protanopia

95, 13.407, 91.478

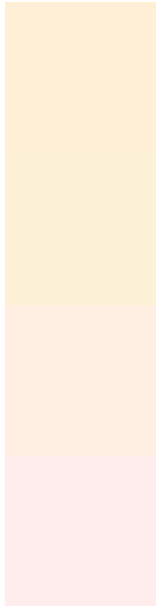
Deuteranopia

95, 7.197, 44.927



Tritanopia
95, 10.113, 334.785

Trichromacy



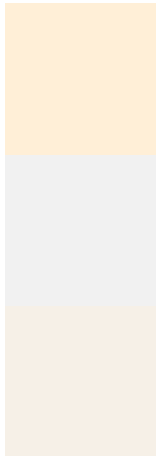
Original Color
95, 13.636, 83.370

Protanomaly
95, 13.525, 89.971

Deuteranomaly
95, 9.095, 66.509

Tritanomaly
95, 6.841, 15.497

Monochromacy



Original Color
95, 13.636, 83.370

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 5.068, 84.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 13.636, 83.370 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, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 215)  
}
```

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, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 13.636, 83.370 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, 239, 215) }
```

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

```
.border{ border-color:rgb(255, 239, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 13.636, 83.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 215) }
```

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

```
.background{ background-color: rgb(255,  
239, 215) }
```

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