

Converting Colors

CIELCh(97, 20.108, 55.981)

Have a look what the booklet for
CIELCh(97, 20.108, 55.981) contains.

CIELCh(95, 13.358, 81.031)	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, 13.358, 81.031)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED7
RGB	255, 238, 215
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0652, 0.1554
CMYK	0.00, 0.07, 0.16, 0.00
HSL	35°, 100%, 92%
HSV	35°, 16%, 100%
XYZ	84.3708, 87.6183, 76.9983
YIQ	240.4610, 17.5150, -3.5490

Conversions

Conversions Part 2

Format	Color
R _Y B	245, 255, 215
Decimal	16772823
CIE Lab	95.00, 2.08, 13.19
CIE LCh	95, 13.358, 81.031
Yxy	87.6183, 0.3389, 0.3519
Android (android.graphics.Color)	4294962903 (0xFFFFEED7)
YUV	240.4610, -12.5523, 12.7507
Hunter-Lab	93.6047, -2.9168, 16.7519

Details

The CIELCh color **95, 13.358, 81.031** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 13.023, 265.844**, 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, 13.426, 80.984** is the 20% darker color. If you saturate the color by 10%, you get **92, 22.222, 80.247**, and if you desaturate by 10%, it is **98, 4.657, 82.825**.

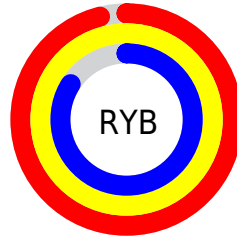
Distribution



Red (100%)

Green (93%)

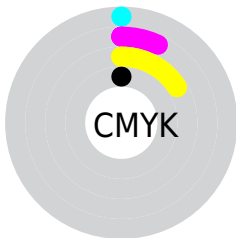
Blue (84%)



Red (96%)

Yellow (100%)

Blue (84%)



Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 13.358, 81.031 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, 13.358, 81.031 by changing the saturation by 10% instead.

 95, 13.358, 81.031

 95, 13.358, 81.031

 100, 13.358,
81.031

 85, 13.358, 81.031

 75, 13.358, 81.031

 65, 13.358, 81.031

 55, 13.358, 81.031

 45, 13.358, 81.031

 35, 13.358, 81.031

 25, 13.358, 81.031

 15, 13.358, 81.031

 5, 13.358, 81.031

95, 13.358, 81.031

95, 13.358, 81.031

92, 22.222, 80.247

98, 4.657, 82.825

89, 31.441, 78.879

100, 0.012,
296.813

86, 40.911, 77.474

83, 50.525, 76.023

80, 60.047, 74.493

77, 69.007, 72.803

75, 76.583, 70.789

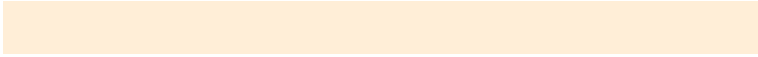
72, 81.675, 68.176

71, 83.254, 66.851

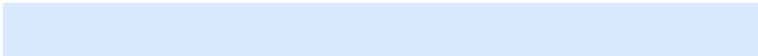
Harmonies

Complementary

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



95, 13.358, 81.031



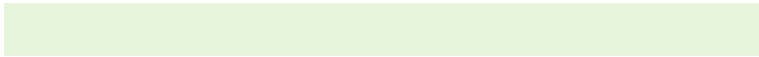
91, 13.023, 265.844

Rectangle

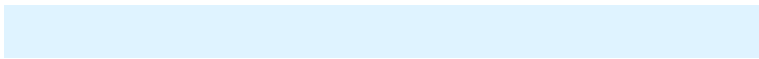
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 13.358, 81.031



95, 13.358, 131.031



95, 13.358, 261.031



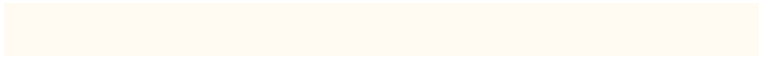
95, 13.358, 311.031

Sweetspot

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



95, 13.293, 81.575



98, 4.195, 82.886



90, 16.850, 348.819



52, 2.866, 82.807



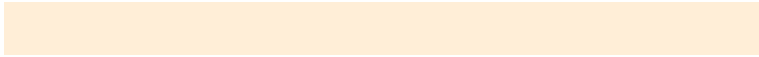
0, 0.000, 0.000



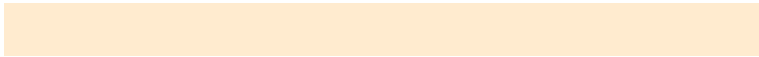
53, 0.007, 296.813

Same Dimension

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



95, 13.293, 81.575



94, 16.345, 81.121



99, 20.067, 111.447



52, 4.811, 82.347



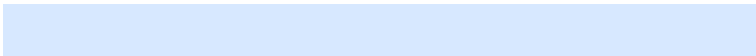
55, 66.947, 67.514



17, 27.242, 69.922

Inverse Universe

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



91, 13.023, 265.844



90, 15.925, 266.410



87, 20.797, 294.313



50, 4.759, 264.937



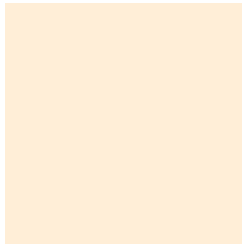
37, 68.118, 291.108



10, 27.407, 285.223

Previews

White Background



This preview shows how the CIE LCh color 95, 13.358, 81.031 looks on a white background.

Color Contrast Check

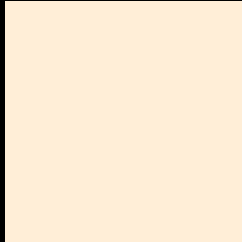
Large Text (above 18pt) WCAG AA × Fail

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, 13.358, 81.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

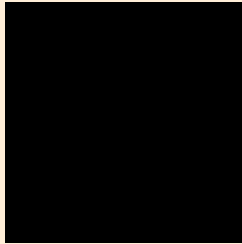
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 13.358, 81.031

Background



This preview shows how black text looks on a background with the CIELCh color 95, 13.358, 81.031.

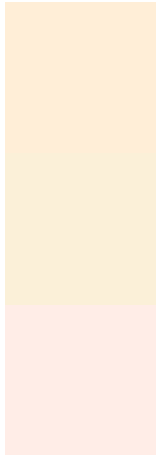


This preview shows how white text looks on a background with the CIELCh color 95, 13.358, 81.031.

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, 13.358, 81.031

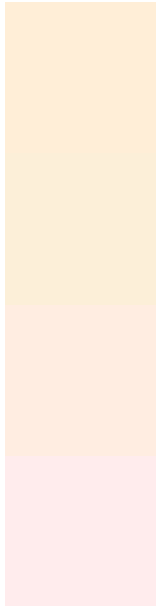
Protanopia
95, 12.919, 90.855

Deuteranopia
95, 7.197, 44.927



Tritanopia
95, 10.113, 334.785

Trichromacy



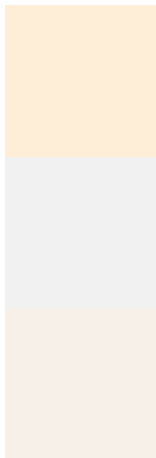
Original Color
95, 13.358, 81.031

Protanomaly
95, 12.705, 86.992

Deuteranomaly
95, 8.996, 62.632

Tritanomaly
95, 6.841, 15.497

Monochromacy



Original Color
95, 13.358, 81.031

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 4.607, 81.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 13.358, 81.031 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, 238, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 13.358, 81.031 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, 238, 215) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 13.358, 81.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 215) }
```

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

```
.background{ background-color: rgb(255,  
238, 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