

Converting Colors

CIELCh(90, 13.953, 93.438)

Have a look what the booklet for
CIELCh(90, 13.953, 93.438) contains.

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Color

CIELCh(90, 13.953, 93.438)

Conversions

Conversions Part 1

Format	Color
Hex	ECE2C8
RGB	236, 226, 200
RGB Percent	93%, 89%, 78%
CMY	0.0750, 0.1142, 0.2161
CMYK	0.00, 0.04, 0.15, 0.07
HSL	43°, 48%, 85%
HSV	43°, 15%, 93%
XYZ	72.1263, 76.3034, 65.4975
YIQ	226.0260, 14.3060, -5.9660

Conversions

Conversions Part 2

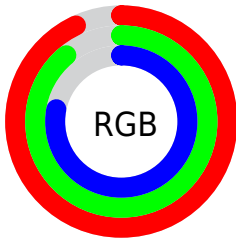
Format	Color
RYB	214, 236, 200
Decimal	15524552
CIELab	90.00, -0.84, 13.93
CIELCh	90, 13.953, 93.438
Yxy	76.3034, 0.3372, 0.3567
Android (android.graphics.Color)	4293714632 (0xFFECE2C8)
YUV	226.0260, -12.8308, 8.7472
Hunter-Lab	87.3518, -5.4783, 16.6899

Details

The CIELCh color **90, 13.953, 93.438** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 14.045, 277.374**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.078, 93.962** is the 20% darker color. If you saturate the color by 10%, you get **88, 23.266, 92.181**, and if you desaturate by 10%, it is **92, 4.767, 94.647**.

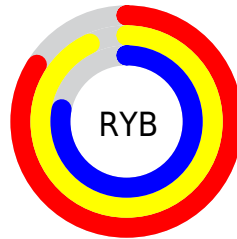
Distribution



Red (93%)

Green (89%)

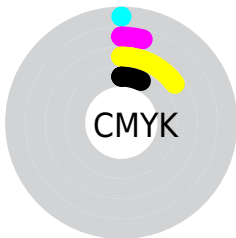
Blue (78%)



Red (84%)

Yellow (93%)

Blue (78%)

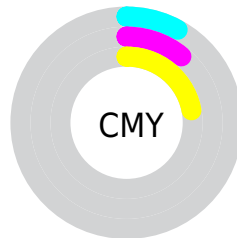


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (7%)



Cyan (8%)

Magenta (11%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 13.953, 93.438 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 90, 13.953, 93.438 by changing the saturation by 10% instead.

 90, 13.953, 93.438

 90, 13.953, 93.438

 100, 13.953,
93.438

 80, 13.953, 93.438

 70, 13.953, 93.438

 60, 13.953, 93.438

 50, 13.953, 93.438

 40, 13.953, 93.438

 30, 13.953, 93.438

 20, 13.953, 93.438

 10, 13.953, 93.438

 0, 13.953, 93.438

90, 13.953, 93.438

90, 13.953, 93.438

88, 23.266, 92.181

92, 4.767, 94.647

86, 32.659, 90.873

94, 4.281, 275.936

84, 42.049, 89.528

96, 5.821, 255.935

82, 51.274, 88.146

98, 5.723, 214.295

80, 60.035, 86.711

99, 6.556, 199.091

78, 67.828, 85.186

76, 73.897, 83.495

75, 77.408, 81.504

74, 78.363, 80.469

Harmonies

Complementary

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



90, 13.953, 93.438



84, 14.045, 277.374

Rectangle

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



90, 13.953, 93.438



90, 13.953, 143.438



90, 13.953, 273.438



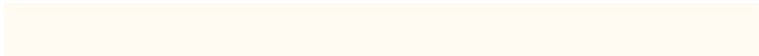
90, 13.953, 323.438

Sweetspot

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



90, 13.954, 93.448



99, 4.825, 94.674



84, 14.332, 358.615



53, 3.295, 94.595



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 13.954, 93.448



96, 17.572, 93.096



92, 18.727, 117.622



48, 5.147, 94.157



58, 64.345, 80.907



17, 24.203, 83.798

Inverse Universe

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



84, 14.045, 277.374



88, 17.701, 277.801



82, 19.339, 299.742



46, 5.174, 276.555



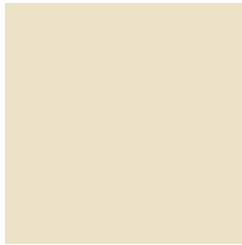
28, 82.071, 299.367



5, 28.659, 291.285

Previews

White Background



This preview shows how the CIELCh color 90, 13.953, 93.438 looks on a white background.

Color Contrast Check

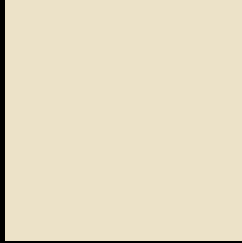
Large Text (above 18pt) WCAG AA × Fail

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 90, 13.953, 93.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

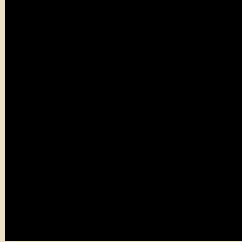
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

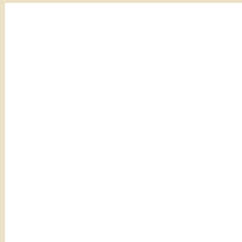
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.953, 93.438

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.953, 93.438.

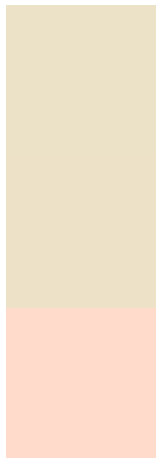


This preview shows how white text looks on a background with the CIELCh color 90, 13.953, 93.438.

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

90, 13.953, 93.438

Protanopia

90, 14.059, 91.951

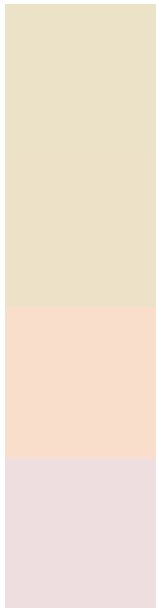
Deuteranopia

90, 15.737, 49.591



Tritanopia
90, 12.010, 329.104

Trichromacy



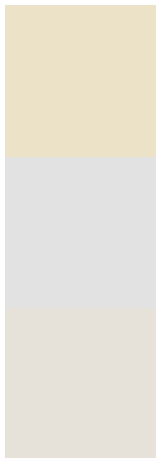
Original Color
90, 13.953, 93.438

Protanomaly
90, 14.059, 91.951

Deuteranomaly
90, 13.923, 64.558

Tritanomaly
90, 6.251, 10.229

Monochromacy



Original Color
90, 13.953, 93.438

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.866, 92.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.953, 93.438 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(236, 226, 200)` looks like.

```
.text, #text, p{  
  color:rgb(236, 226, 200)  
}
```

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(236, 226, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.953, 93.438 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(236, 226, 200) }
```

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

```
.border{ border-color:rgb(236, 226, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 226, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 226, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 226, 200);  
box-shadow:4px 4px 4px 4px rgb(236, 226,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.953, 93.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 200) }
```

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

```
.background{ background-color: rgb(236,  
226, 200) }
```

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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