

Converting Colors

CIELCh(90, 20.226, 98.946)

Have a look what the booklet for
CIELCh(90, 20.226, 98.946) contains.

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Color

CIELCh(90, 20.418, 98.805)

Conversions

Conversions Part 1

Format	Color
Hex	ECE3BC
RGB	236, 227, 188
RGB Percent	93%, 89%, 74%
CMY	0.0750, 0.1103, 0.2632
CMYK	0.00, 0.04, 0.20, 0.08
HSL	49°, 56%, 83%
HSV	49°, 20%, 92%
XYZ	71.0459, 76.3034, 58.4900
YIQ	225.2450, 17.8830, -10.2210

Conversions

Conversions Part 2

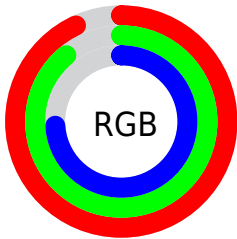
Format	Color
R _Y B	199, 236, 188
Decimal	15524796
CIE Lab	90.00, -3.13, 20.18
CIE LCh	90, 20.418, 98.805
Yxy	76.3034, 0.3452, 0.3707
Android (android.graphics.Color)	4293714876 (0xFFECE3BC)
YUV	225.2450, -18.3618, 9.4321
Hunter-Lab	87.3518, -7.6861, 21.4462

Details

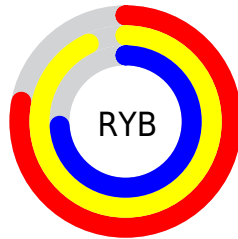
The CIELCh color **90, 20.418, 98.805** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 20.929, 283.806**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **70, 20.349, 98.892** is the 20% darker color. If you saturate the color by 10%, you get **88, 30.500, 97.622**, and if you desaturate by 10%, it is **92, 10.348, 99.967**.

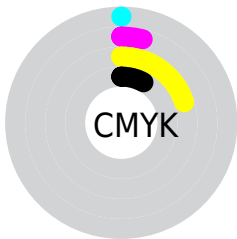
Distribution



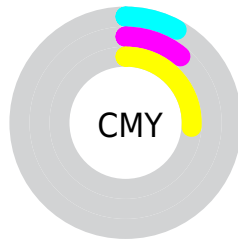
- Red (93%)
- Green (89%)
- Blue (74%)



- Red (78%)
- Yellow (93%)
- Blue (74%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 20.418, 98.805 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, 20.418, 98.805 by changing the saturation by 10% instead.

■ 90, 20.418, 98.805

■ 90, 20.418, 98.805

■ 100, 20.418,
98.805

■ 80, 20.418, 98.805

■ 70, 20.418, 98.805

■ 60, 20.418, 98.805

■ 50, 20.418, 98.805

■ 40, 20.418, 98.805

■ 30, 20.418, 98.805

■ 20, 20.418, 98.805

■ 10, 20.418, 98.805

■ 0, 20.418, 98.805

90, 20.418, 98.805

90, 20.418, 98.805

88, 30.500, 97.622

92, 10.348, 99.967

87, 40.502, 96.409

93, 0.335, 100.606

86, 50.270, 95.184

95, 7.755, 279.920

84, 59.537, 93.950

96, 6.078, 261.286

83, 67.868, 92.707

97, 5.399, 234.125

82, 74.620, 91.440

98, 6.048, 206.932

80, 79.037, 90.106

99, 6.559, 199.091

79, 80.915, 88.712

Harmonies

Complementary

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



90, 20.418, 98.805



80, 20.929, 283.806

Rectangle

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



90, 20.418, 98.805



90, 20.418, 148.805



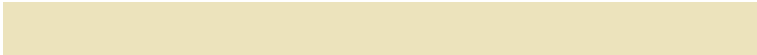
90, 20.418, 278.805



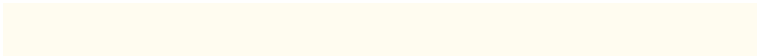
90, 20.418, 328.805

Sweetspot

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



90, 20.420, 98.811



99, 6.378, 100.448



81, 18.752, 5.321



53, 4.232, 100.377



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, 20.420, 98.811



96, 25.678, 98.368



91, 25.235, 120.621



48, 5.655, 100.067



62, 66.472, 88.984



18, 25.981, 91.425

Inverse Universe

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



80, 20.929, 283.806



83, 26.452, 284.392



79, 26.254, 303.110



46, 5.725, 282.295



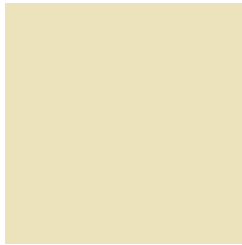
25, 91.603, 302.803



4, 31.126, 293.918

Previews

White Background



This preview shows how the CIELCh color 90, 20.418, 98.805 looks on a white background.

Color Contrast Check

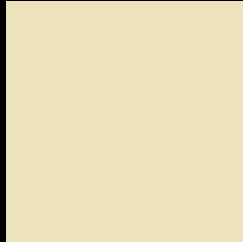
Large Text (above 18pt) WCAG AA × Fail

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, 20.418, 98.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

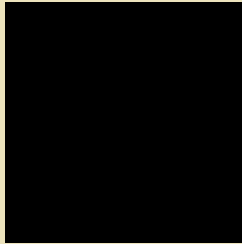
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 20.418, 98.805

Background



This preview shows how black text looks on a background with the CIELCh color 90, 20.418, 98.805.

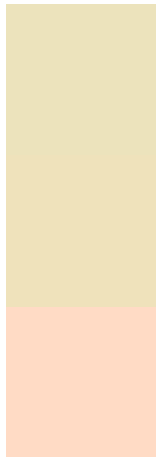


This preview shows how white text looks on a background with the CIELCh color 90, 20.418, 98.805.

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

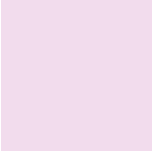
90, 20.418, 98.805

Protanopia

90, 20.754, 94.589

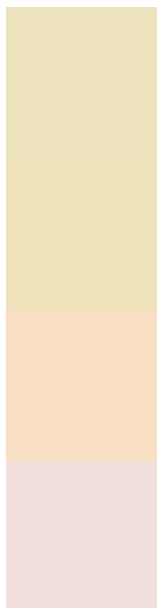
Deuteranopia

90, 17.967, 59.192



Tritanopia
90, 11.845, 332.052

Trichromacy



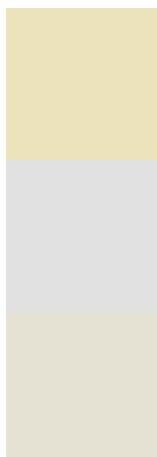
Original Color
90, 20.418, 98.805

Protanomaly
90, 20.663, 95.629

Deuteranomaly
90, 17.634, 74.625

Tritanomaly
90, 6.540, 38.156

Monochromacy



Original Color
90, 20.418, 98.805

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.322, 100.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 20.418, 98.805 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, 227, 188)` looks like.

```
.text, #text, p{  
    color:rgb(236, 227, 188)  
}
```

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, 227, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 227, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 20.418, 98.805 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, 227, 188) }
```

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

```
.border{ border-color:rgb(236, 227, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 227, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 227, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 227, 188);  
box-shadow:4px 4px 4px 4px rgb(236, 227,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 20.418, 98.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 227, 188) }
```

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

```
.background{ background-color: rgb(236,  
227, 188) }
```

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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