

Converting Colors

CIELCh(90, 17.980, 90.623)

Have a look what the booklet for
CIELCh(90, 17.980, 90.623) contains.

CIELCh(90, 18.004, 90.223)	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(90, 18.004, 90.223)

Conversions

Conversions Part 1

Format	Color
Hex	F0E1C0
RGB	240, 225, 192
RGB Percent	94%, 88%, 75%
CMY	0.0582, 0.1170, 0.2464
CMYK	0.00, 0.06, 0.20, 0.06
HSL	41°, 62%, 85%
HSV	41°, 20%, 94%
XYZ	72.4907, 76.3034, 60.8673
YIQ	225.7230, 19.5330, -7.0830

Conversions

Conversions Part 2

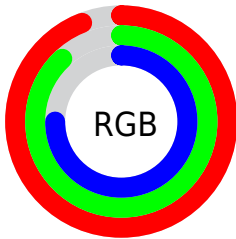
Format	Color
RYB	214, 240, 192
Decimal	15786432
CIELab	90.00, -0.07, 18.00
CIELCh	90, 18.004, 90.223
Yxy	76.3034, 0.3458, 0.3639
Android (android.graphics.Color)	4293976512 (0xFFFF0E1C0)
YUV	225.7230, -16.6254, 12.5209
Hunter-Lab	87.3518, -4.7337, 19.8326

Details

The CIELCh color **90, 18.004, 90.223** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 18.015, 275.604**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **70, 18.348, 90.258** is the 20% darker color. If you saturate the color by 10%, you get **88, 27.251, 88.913**, and if you desaturate by 10%, it is **92, 8.909, 91.498**.

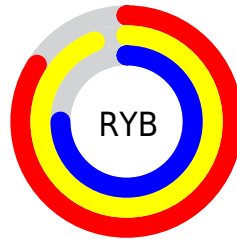
Distribution



Red (94%)

Green (88%)

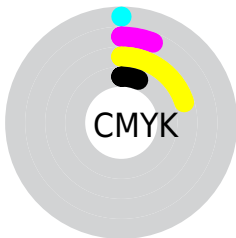
Blue (75%)



Red (84%)

Yellow (94%)

Blue (75%)

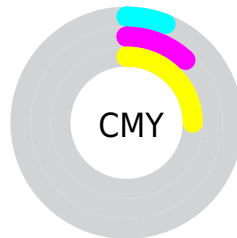


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (6%)



Cyan (6%)

Magenta (12%)

Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 18.004, 90.223 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, 18.004, 90.223 by changing the saturation by 10% instead.

 90, 18.004, 90.223

 90, 18.004, 90.223

 100, 18.004,
90.223

 80, 18.004, 90.223

 70, 18.004, 90.223

 60, 18.004, 90.223

 50, 18.004, 90.223

 40, 18.004, 90.223

 30, 18.004, 90.223

 20, 18.004, 90.223

 10, 18.004, 90.223

 0, 18.004, 90.223

90, 18.004, 90.223

90, 18.004, 90.223

88, 27.251, 88.913

92, 8.909, 91.498

85, 36.598, 87.554

95, 0.021, 285.441

83, 45.941, 86.153

97, 4.517, 255.569

81, 55.076, 84.700

99, 5.107, 199.211

79, 63.631, 83.164

77, 70.978, 81.475

75, 76.240, 79.502

73, 78.973, 77.131

73, 78.975, 77.128

Harmonies

Complementary

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



90, 18.004, 90.223



83, 18.015, 275.604

Rectangle

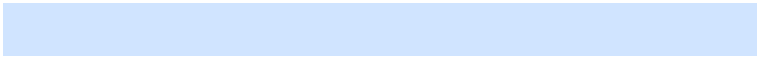
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 18.004, 90.223



90, 18.004, 140.223



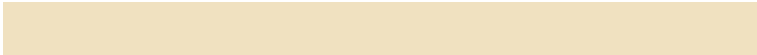
90, 18.004, 270.223



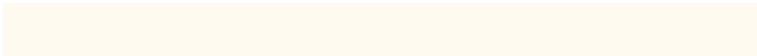
90, 18.004, 320.223

Sweetspot

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



90, 18.005, 90.231



98, 5.592, 91.974



82, 19.512, 356.842



52, 3.712, 91.898



0, 0.000, 0.000



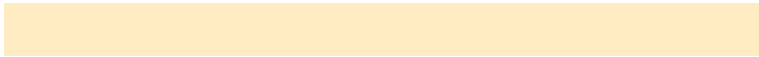
53, 0.007, 296.813

Same Dimension

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



90, 18.005, 90.231



94, 22.780, 89.698



93, 24.760, 115.935



49, 5.057, 91.561



57, 64.611, 77.628



17, 24.871, 80.474

Inverse Universe

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



83, 18.015, 275.604



85, 22.793, 276.297



80, 25.867, 298.956



47, 5.067, 274.024



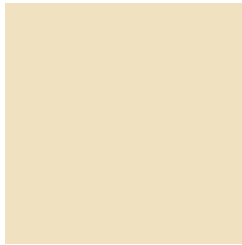
30, 78.914, 297.709



6, 28.968, 290.990

Previews

White Background



This preview shows how the CIELCh color 90, 18.004, 90.223 looks on a white background.

Color Contrast Check

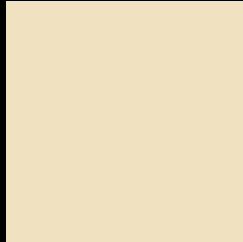
Large Text (above 18pt) WCAG AA × Fail

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 90, 18.004, 90.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

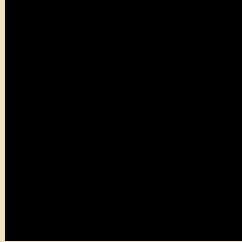
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 18.004, 90.223

Background



This preview shows how black text looks on a background with the CIELCh color 90, 18.004, 90.223.

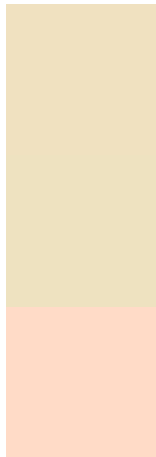


This preview shows how white text looks on a background with the CIELCh color 90, 18.004, 90.223.

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, 18.004, 90.223

Protanopia

90, 18.153, 94.136

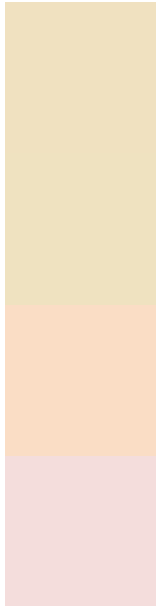
Deuteranopia

90, 17.281, 56.715



Tritanopia
90, 13.107, 338.062

Trichromacy



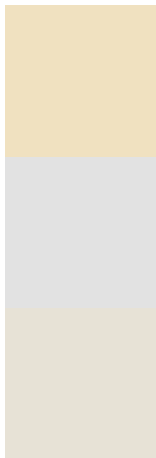
Original Color
90, 18.004, 90.223

Protanomaly
90, 18.255, 92.969

Deuteranomaly
90, 16.697, 67.659

Tritanomaly
90, 8.430, 23.443

Monochromacy



Original Color
90, 18.004, 90.223

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 6.461, 93.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 18.004, 90.223 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(240, 225, 192)` looks like.

```
.text, #text, p{  
    color:rgb(240, 225, 192)  
}
```

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(240, 225, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 225, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 18.004, 90.223 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(240, 225, 192) }
```

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

```
.border{ border-color:rgb(240, 225, 192) }
```

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

Here you see how a box with a 4 pixel rgb(240, 225, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 225, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 225, 192);  
box-shadow:4px 4px 4px 4px rgb(240, 225,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 18.004, 90.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 225, 192) }
```

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

```
.background{ background-color: rgb(240,  
225, 192) }
```

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