

Converting Colors

CIELCh(90, 20.419, 101.823)

Have a look what the booklet for
CIELCh(90, 20.419, 101.823)
contains.

CIELCh(90, 20.751, 102.137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 20.751, 102.137)

Conversions

Conversions Part 1

Format	Color
Hex	EAE4BC
RGB	234, 228, 188
RGB Percent	92%, 89%, 74%
CMY	0.0839, 0.1074, 0.2643
CMYK	0.00, 0.03, 0.20, 0.08
HSL	52°, 52%, 83%
HSV	52°, 20%, 92%
XYZ	70.4662, 76.3034, 58.3716
YIQ	225.2340, 16.4160, -11.1680

Conversions

Conversions Part 2

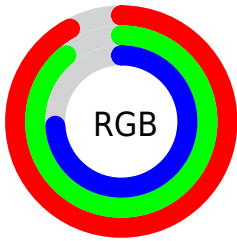
Format	Color
R_{YB}	195, 234, 188
Decimal	15393980
CIE _{Lab}	90.00, -4.36, 20.29
CIE _{LCh}	90, 20.751, 102.137
Yxy	76.3034, 0.3435, 0.3720
Android (android.graphics.Color)	4293584060 (0xFFEAE4BC)
YUV	225.2340, -18.3564, 7.6878
Hunter-Lab	87.3518, -8.8706, 21.5266

Details

The CIELCh color **90, 20.751, 102.137** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79, 21.423, 286.735**, 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, 20.702, 102.437** is the 20% darker color. If you saturate the color by 10%, you get **89, 31.266, 101.024**, and if you desaturate by 10%, it is **91, 10.197, 103.238**.

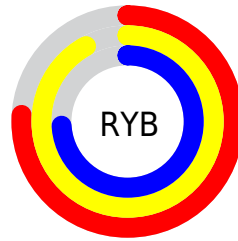
Distribution



Red (92%)

Green (89%)

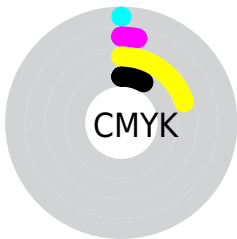
Blue (74%)



Red (76%)

Yellow (92%)

Blue (74%)

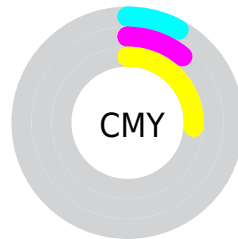


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (8%)



Cyan (8%)


Magenta (11%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 20.751, 102.137 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, 20.751, 102.137 by changing the saturation by 10% instead.


 90, 20.751,
102.137


 90, 20.751,
102.137


 100, 20.751,
102.137


 80, 20.751,
102.137

 70, 20.751,
102.137

 60, 20.751,
102.137

 50, 20.751,
102.137

 40, 20.751,
102.137

 30, 20.751,
102.137

 20, 20.751,

102.137

■ 10, 20.751,
102.137

■ 0, 20.751, 102.137

■ 90, 20.751,
102.137

■ 90, 20.751,
102.137

■ 89, 31.266,
101.024

■ 91, 10.197,
103.238

■ 88, 41.637, 99.895

■ 93, 0.343, 284.719

■ 87, 51.694, 98.771

■ 94, 9.456, 284.410

■ 86, 61.161, 97.664

■ 95, 8.072, 275.625

■ 85, 69.598, 96.588

■ 95, 6.949, 263.684

84, 76.390, 95.551

96, 6.225, 248.184

83, 80.850, 94.544

97, 6.040, 230.340

82, 82.806, 93.540

98, 6.438, 213.154

82, 82.855, 93.509

98, 7.320, 199.067

Harmonies

Complementary

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



90, 20.751, 102.137



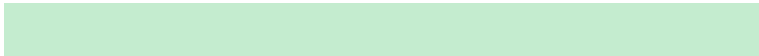
79, 21.423, 286.735

Rectangle

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



90, 20.751, 102.137



90, 20.751, 152.137



90, 20.751, 282.137



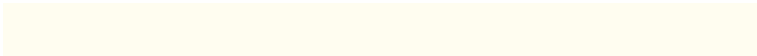
90, 20.751, 332.137

Sweetspot

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



90, 20.753, 102.143



99, 6.775, 103.625



80, 17.705, 10.347



53, 4.495, 103.557



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, 20.753, 102.143



97, 27.164, 101.649



90, 24.518, 123.249



49, 6.002, 103.261



65, 68.550, 93.678



19, 27.298, 95.610

Inverse Universe

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



79, 21.423, 286.735



82, 28.264, 287.397



79, 25.386, 305.400



45, 6.099, 285.381



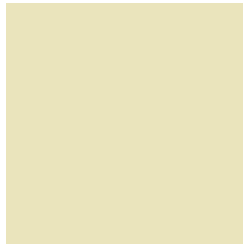
24, 96.464, 304.320



4, 32.514, 295.201

Previews

White Background



This preview shows how the CIE LCh color 90, 20.751, 102.137 looks on a white background.

Color Contrast Check

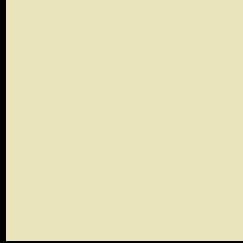
Large Text (above 18pt) WCAG AA × Fail

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, 20.751, 102.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

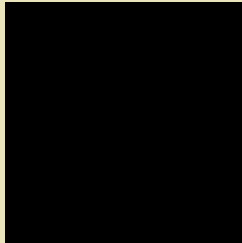
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

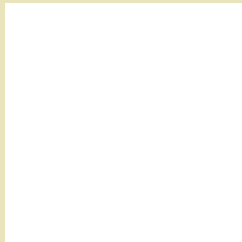
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 20.751, 102.137

Background



This preview shows how black text looks on a background with the CIELCh color 90, 20.751, 102.137.



This preview shows how white text looks on a background with the CIELCh color 90, 20.751, 102.137.

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, 20.751, 102.137

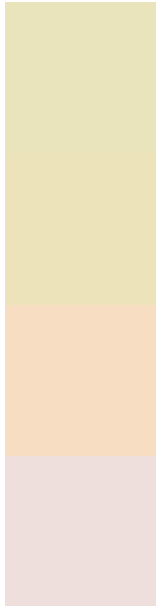
Protanopia
90, 20.754, 94.589

Deuteranopia
90, 17.967, 59.192



Tritanopia
90, 11.159, 327.864

Trichromacy



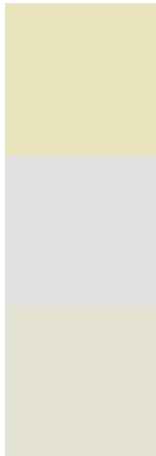
Original Color
90, 20.751, 102.137

Protanomaly
90, 20.993, 97.948

Deuteranomaly
90, 17.413, 75.669

Tritanomaly
90, 5.672, 35.545

Monochromacy



Original Color
90, 20.751, 102.137

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.795, 104.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 20.751, 102.137 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(234, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(234, 228, 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(234, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 228, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 20.751, 102.137 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(234, 228, 188) }
```

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

```
.border{ border-color:rgb(234, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 228, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 228, 188); box-shadow:4px 4px 4px 4px rgb(234, 228, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 20.751, 102.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 228, 188) }
```

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

```
.background{ background-color: rgb(234,  
228, 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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