

Converting Colors

CIELCh(90, 7.193, 60.035)

Have a look what the booklet for
CIELCh(90, 7.193, 60.035) contains.

CIELCh(90, 7.205, 59.829)	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, 7.205, 59.829)

Conversions

Conversions Part 1

Format	Color
Hex	EFE0D7
RGB	239, 224, 215
RGB Percent	94%, 88%, 84%
CMY	0.0641, 0.1229, 0.1582
CMYK	0.00, 0.06, 0.10, 0.06
HSL	23°, 42%, 89%
HSV	23°, 10%, 94%
XYZ	74.2621, 76.3034, 74.8727
YIQ	227.4590, 11.8290, 0.3810

Conversions

Conversions Part 2

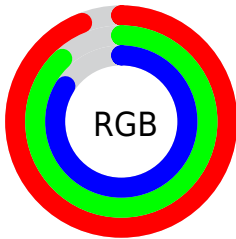
Format	Color
R _Y B	239, 229, 215
Decimal	15720663
CIE Lab	90.00, 3.62, 6.23
CIE LCh	90, 7.205, 59.829
Yxy	76.3034, 0.3294, 0.3385
Android (android.graphics.Color)	4293910743 (0xFFEFE0D7)
YUV	227.4590, -6.1423, 10.1215
Hunter-Lab	87.3518, -1.1139, 10.3265

Details

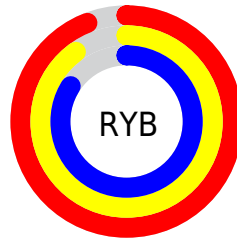
The CIELCh color $90, 7.205, 59.829$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $90, 6.893, 242.004$, and the grayscale version is $90, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $70, 7.338, 61.556$ is the 20% darker color. If you saturate the color by 10%, you get $86, 14.865, 58.966$, and if you desaturate by 10%, it is $94, 0.032, 44.129$.

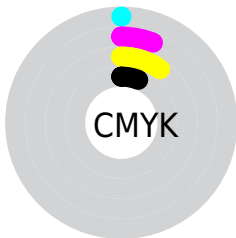
Distribution



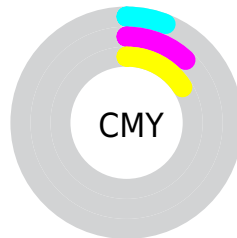
- Red (94%)
- Green (88%)
- Blue (84%)



- Red (94%)
- Yellow (90%)
- Blue (84%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.205, 59.829 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, 7.205, 59.829 by changing the saturation by 10% instead.



90, 7.205, 59.829

90, 7.205, 59.829

86, 14.865, 58.966

94, 0.032, 44.129

82, 23.058, 58.093

98, 5.143, 207.884

78, 31.818, 57.266

99, 5.620, 199.167

74, 41.150, 56.498

70, 50.992, 55.781

66, 61.154, 55.070

63, 71.172, 54.228

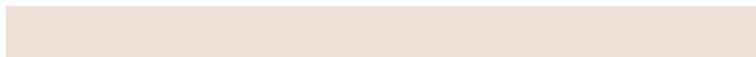
60, 80.078, 52.940

58, 86.771, 50.936

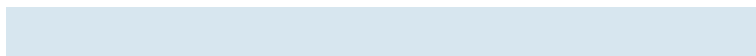
Harmonies

Complementary

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



90, 7.205, 59.829



90, 6.893, 242.004

Rectangle

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



90, 7.205, 59.829



90, 7.205, 109.829



90, 7.205, 239.829



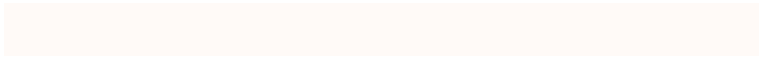
90, 7.205, 289.829

Sweetspot

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



90, 7.205, 59.851



99, 2.213, 60.338



88, 11.735, 337.819



52, 1.683, 60.315



0, 0.000, 0.000



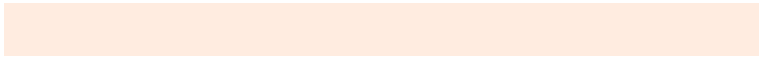
53, 0.007, 296.813

Same Dimension

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



90, 7.205, 59.851



95, 9.136, 59.677



93, 10.737, 103.035



48, 4.079, 59.900



45, 70.876, 51.568



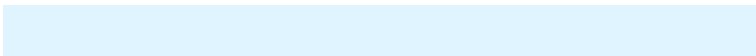
12, 24.004, 48.679

Inverse Universe

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



90, 6.893, 242.004



95, 8.655, 242.228



87, 10.917, 285.298



48, 3.914, 241.942



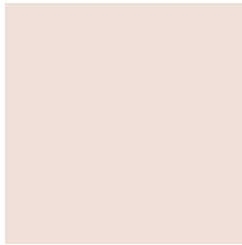
46, 43.800, 268.749



13, 17.351, 260.271

Previews

White Background



This preview shows how the CIELCh color 90, 7.205, 59.829 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, 7.205, 59.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

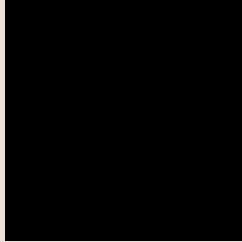
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

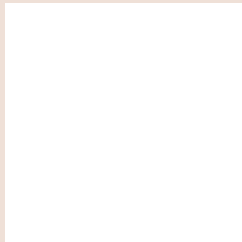
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.205, 59.829

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.205, 59.829.

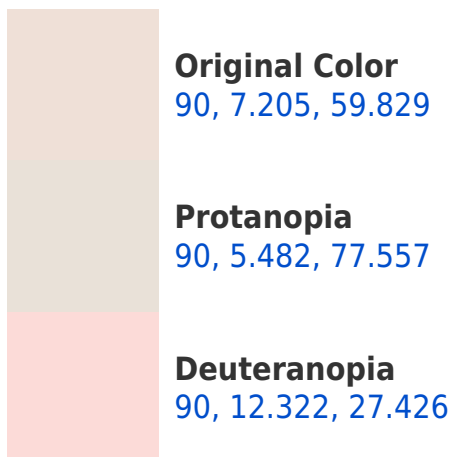


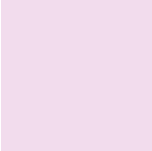
This preview shows how white text looks on a background with the CIELCh color 90, 7.205, 59.829.

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](#).

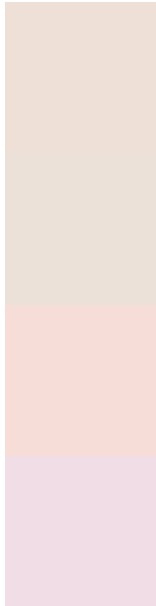
Dichromacy





Tritanopia
90, 11.845, 332.052

Trichromacy



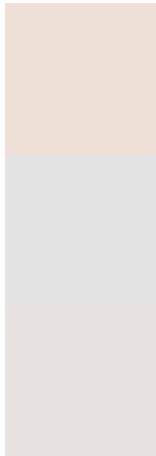
Original Color
90, 7.205, 59.829

Protanomaly
90, 5.905, 71.484

Deuteranomaly
90, 9.941, 35.036

Tritanomaly
90, 8.333, 350.109

Monochromacy



Original Color
90, 7.205, 59.829

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.362, 60.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.205, 59.829 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(239, 224, 215)` looks like.

```
.text, #text, p{  
    color:rgb(239, 224, 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(239, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 224, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.205, 59.829 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(239, 224, 215) }
```

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

```
.border{ border-color:rgb(239, 224, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 224, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(239, 224,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.205, 59.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 224, 215) }
```

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

```
.background{ background-color: rgb(239,  
224, 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