

Converting Colors

CIELCh(90, 26.422, 106.630)

Have a look what the booklet for
CIELCh(90, 26.422, 106.630)
contains.

CIELCh(90, 26.246, 106.329)	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, 26.246, 106.329)

Conversions

Conversions Part 1

Format	Color
Hex	E7E5B2
RGB	231, 229, 178
RGB Percent	91%, 90%, 70%
CMY	0.0938, 0.1016, 0.3017
CMYK	0.00, 0.01, 0.23, 0.09
HSL	58°, 53%, 80%
HSV	58°, 23%, 91%
XYZ	69.0666, 76.3034, 53.2478
YIQ	223.7840, 17.5630, -15.4370

Conversions

Conversions Part 2

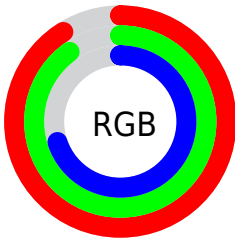
Format	Color
RYB	180, 231, 178
Decimal	15197618
CIELab	90.00, -7.38, 25.19
CIELCh	90, 26.246, 106.329
Yxy	76.3034, 0.3477, 0.3842
Android (android.graphics.Color)	4293387698 (0xFFE7E5B2)
YUV	223.7840, -22.5715, 6.3284
Hunter-Lab	87.3518, -11.7307, 25.0043

Details

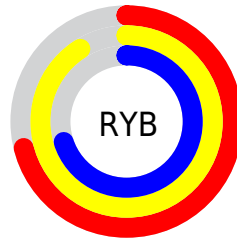
The CIELCh color **90, 26.246, 106.329** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 27.588, 291.375**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 10.630, 109.373**, and **70, 26.459, 106.599** is the 20% darker color. If you saturate the color by 10%, you get **89, 37.490, 105.325**, and if you desaturate by 10%, it is **91, 14.842, 107.342**.

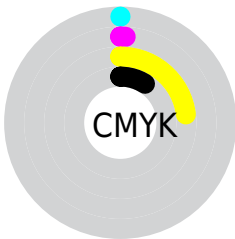
Distribution



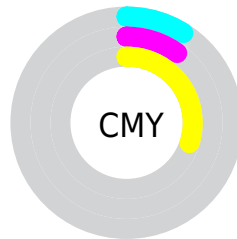
- Red (91%)
- Green (90%)
- Blue (70%)



- Red (71%)
- Yellow (91%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (9%)





- Cyan (9%)
- Magenta (10%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 26.246, 106.329 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, 26.246, 106.329 by changing the saturation by 10% instead.


 90, 26.246,
106.329


 90, 26.246,
106.329


 100, 26.246,
106.329


 80, 26.246,
106.329

 70, 26.246,
106.329

 60, 26.246,
106.329

 50, 26.246,
106.329

 40, 26.246,
106.329

 30, 26.246,
106.329

 20, 26.246,

106.329

■ 10, 26.246,
106.329

■ 0, 26.246, 106.329

■ 90, 26.246,
106.329

■ 90, 26.246,
106.329

■ 89, 37.490,
105.325

■ 91, 14.842,
107.342

■ 89, 48.423,
104.337

■ 91, 3.365, 108.322

■ 88, 58.818,
103.391

■ 92, 8.127, 289.335

■ 88, 68.322,
102.518

■ 93, 11.598,
288.600

■ 93, 11.154,
286.940

■ 88, 76.437,
101.749

■ 93, 10.721,
285.146

■ 87, 82.563,
101.119

■ 93, 10.298,
283.207

■ 87, 86.201,
100.645

■ 94, 9.888, 281.107

■ 87, 87.464,
100.387

■ 94, 9.493, 278.832

Harmonies

Complementary

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



90, 26.246, 106.329



75, 27.588, 291.375

Rectangle

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



90, 26.246, 106.329



90, 26.246, 156.329



90, 26.246, 286.329



90, 26.246, 336.329

Sweetspot

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



90, 26.248, 106.334



99, 8.701, 107.929



77, 20.550, 17.237



53, 5.654, 107.870



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, 26.248, 106.334



98, 34.623, 105.807



89, 28.806, 126.205



48, 6.482, 107.691



69, 72.133, 100.430



20, 28.324, 101.617

Inverse Universe

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



75, 27.588, 291.375



78, 36.870, 292.152



76, 29.838, 308.467



44, 6.617, 289.648



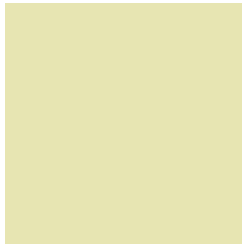
22, 100.650, 305.816



3, 32.794, 296.052

Previews

White Background



This preview shows how the CIE LCh color 90, 26.246, 106.329 looks on a white background.

Color Contrast Check

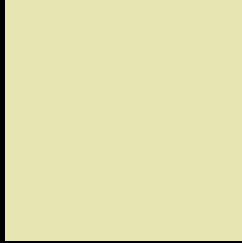
Large Text (above 18pt) WCAG AA × Fail

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, 26.246, 106.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

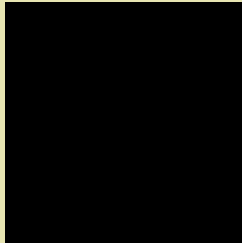
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

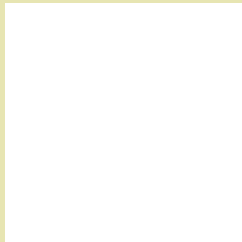
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 26.246, 106.329

Background



This preview shows how black text looks on a background with the CIELCh color 90, 26.246, 106.329.

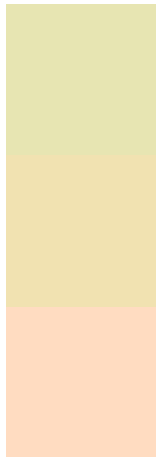


This preview shows how white text looks on a background with the CIELCh color 90, 26.246, 106.329.

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, 26.246, 106.329

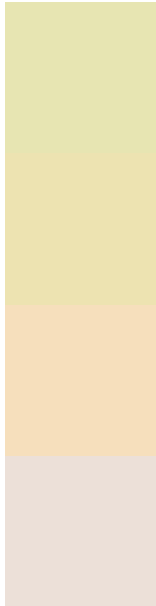
Protanopia
90, 25.949, 95.053

Deuteranopia
90, 19.519, 65.381



Tritanopia
90, 10.948, 326.363

Trichromacy



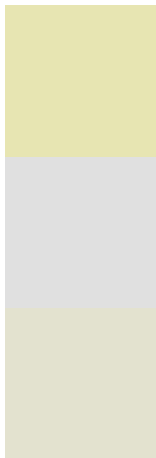
Original Color
90, 26.246, 106.329

Protanomaly
90, 26.054, 99.461

Deuteranomaly
90, 20.208, 82.643

Tritanomaly
90, 6.022, 62.948

Monochromacy



Original Color
90, 26.246, 106.329

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 9.842, 107.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 26.246, 106.329 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(231, 229, 178)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 178)  
}
```

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(231, 229, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 26.246, 106.329 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(231, 229, 178) }
```

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

```
.border{ border-color:rgb(231, 229, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 178);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 26.246, 106.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 178) }
```

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

```
.background{ background-color: rgb(231,  
229, 178) }
```

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