

Converting Colors

CIELCh(90, 20.644, 111.631)

Have a look what the booklet for
CIELCh(90, 20.644, 111.631)
contains.

CIELCh(90, 20.645, 111.643)	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, 20.645, 111.643)

Conversions

Conversions Part 1

Format	Color
Hex	E3E6BE
RGB	227, 230, 190
RGB Percent	89%, 90%, 75%
CMY	0.1116, 0.0998, 0.2566
CMYK	0.01, 0.00, 0.17, 0.10
HSL	65°, 44%, 82%
HSV	65°, 17%, 90%
XYZ	68.9582, 76.3034, 59.5626
YIQ	224.5430, 11.0520, -13.0760

Conversions

Conversions Part 2

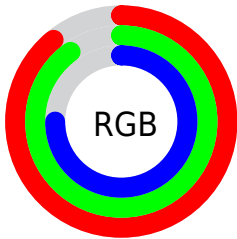
Format	Color
RYB	190, 230, 193
Decimal	14935742
CIELab	90.00, -7.61, 19.19
CIELCh	90, 20.645, 111.643
Yxy	76.3034, 0.3367, 0.3725
Android (android.graphics.Color)	4293125822 (0xFFE3E6BE)
YUV	224.5430, -17.0297, 2.1548
Hunter-Lab	87.3518, -11.9522, 20.7181

Details

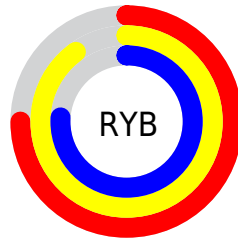
The CIELCh color **90, 20.645, 111.643** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78, 21.486, 294.818**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 4.553, 109.821**, and **70, 20.644, 112.583** is the 20% darker color. If you saturate the color by 10%, you get **89, 32.340, 110.789**, and if you desaturate by 10%, it is **91, 8.813, 112.503**.

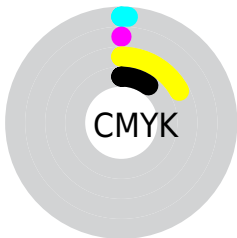
Distribution



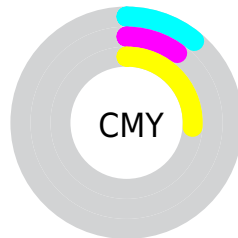
- Red (89%)
- Green (90%)
- Blue (75%)



- Red (75%)
- Yellow (90%)
- Blue (76%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)




- Cyan (11%)
- Magenta (10%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 20.645, 111.643 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, 20.645, 111.643 by changing the saturation by 10% instead.


 90, 20.645,
111.643


 90, 20.645,
111.643


 100, 20.645,
111.643


 80, 20.645,
111.643

 70, 20.645,
111.643

 60, 20.645,
111.643

 50, 20.645,
111.643

 40, 20.645,
111.643

 30, 20.645,
111.643

 20, 20.645,

111.643

■ 10, 20.645,
111.643

■ 0, 20.645, 111.643

■ 90, 20.645,
111.643

■ 90, 20.645,
111.643

■ 89, 32.340,
110.789

■ 91, 8.813, 112.503

■ 91, 3.083, 293.363

■ 89, 43.770,
109.947

■ 92, 13.210,
294.430

■ 89, 54.751,
109.151

■ 92, 13.264,
296.970

■ 88, 64.998,
108.438

■ 92, 13.343,
299.494

■ 88, 74.097,
107.856

■ 92, 13.447,
301.991

■ 88, 81.510,
107.466

■ 93, 13.575,
304.454

■ 87, 86.690,
107.328

■ 93, 13.728,
306.875

■ 87, 89.399,
107.473

■ 93, 13.904,
309.246

■ 87, 89.891,
107.533

Harmonies

Complementary

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



90, 20.645, 111.643



78, 21.486, 294.818

Rectangle

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



90, 20.645, 111.643



90, 20.645, 161.643



90, 20.645, 291.643



90, 20.645, 341.643

Sweetspot

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



90, 20.647, 111.648



100, 6.466, 112.704



81, 14.319, 26.103



53, 4.412, 112.645



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, 20.647, 111.648



99, 27.065, 111.329



89, 22.400, 130.601



48, 6.744, 112.331



70, 74.461, 107.458



20, 29.370, 107.842

Inverse Universe

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



78, 21.486, 294.818



83, 28.422, 295.238



80, 22.860, 312.122



44, 6.894, 293.993



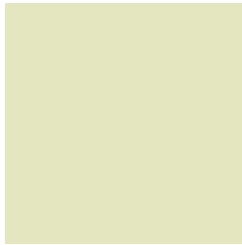
21, 101.997, 306.524



2, 33.815, 298.576

Previews

White Background



This preview shows how the CIELCh color 90, 20.645, 111.643 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, 20.645, 111.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

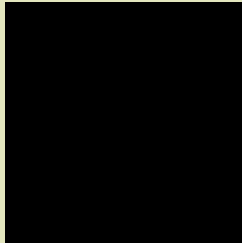
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

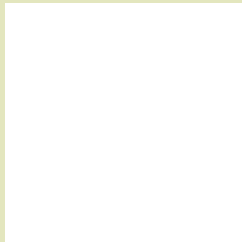
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 20.645, 111.643

Background



This preview shows how black text looks on a background with the CIELCh color 90, 20.645, 111.643.



This preview shows how white text looks on a background with the CIELCh color 90, 20.645, 111.643.

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

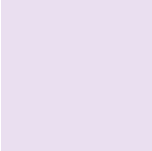
90, 20.645, 111.643

Protanopia

90, 20.253, 94.301

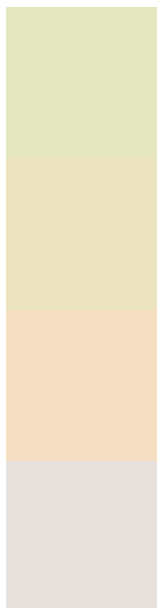
Deuteranopia

90, 17.620, 57.978



Tritanopia
90, 9.696, 314.309

Trichromacy



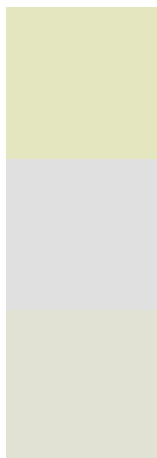
Original Color
90, 20.645, 111.643

Protanomaly
90, 19.794, 100.802

Deuteranomaly
90, 16.776, 78.970

Tritanomaly
90, 2.650, 55.183

Monochromacy



Original Color
90, 20.645, 111.643

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 7.781, 112.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 20.645, 111.643 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(227, 230, 190)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 190)  
}
```

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(227, 230, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 20.645, 111.643 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(227, 230, 190) }
```

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

```
.border{ border-color:rgb(227, 230, 190) }
```

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

Here you see how a box with a 4 pixel rgb(227, 230, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 190);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 20.645, 111.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 190) }
```

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

```
.background{ background-color: rgb(227,  
230, 190) }
```

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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