

Converting Colors

CIELCh(91, 5.681, 109.705)

Have a look what the booklet for
CIELCh(91, 5.681, 109.705) contains.

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Color

CIELCh(91, 5.677, 109.706)

Conversions

Conversions Part 1

Format	Color
Hex	E6E6DB
RGB	230, 230, 219
RGB Percent	90%, 90%, 86%
CMY	0.0983, 0.0983, 0.1414
CMYK	0.00, 0.00, 0.05, 0.10
HSL	60°, 18%, 88%
HSV	60°, 5%, 90%
XYZ	73.6711, 78.4833, 78.2411
YIQ	228.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

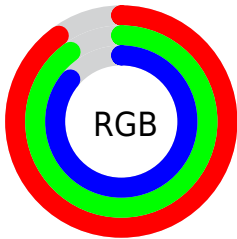
Format	Color
R _Y B	219, 230, 219
Decimal	15132379
CIE Lab	91.00, -1.91, 5.34
CIE LCh	91, 5.677, 109.706
Yxy	78.4833, 0.3198, 0.3406
Android (android.graphics.Color)	4293322459 (0xFFE6E6DB)
YUV	228.7460, -4.8048, 1.0998
Hunter-Lab	88.5908, -6.5955, 9.6502

Details

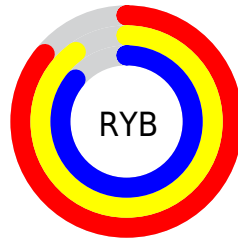
The CIELCh color **91, 5.677, 109.706** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 5.758, 290.681**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 5.975, 109.575** is the 20% darker color. If you saturate the color by 10%, you get **90, 17.528, 108.760**, and if you desaturate by 10%, it is **92, 6.216, 290.699**.

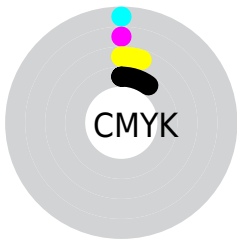
Distribution



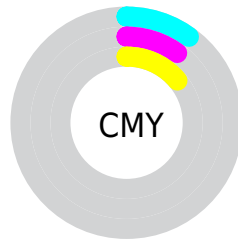
- Red (90%)
- Green (90%)
- Blue (86%)



- Red (86%)
- Yellow (90%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (10%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 5.677, 109.706 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 91, 5.677, 109.706 by changing the saturation by 10% instead.

■ 91, 5.677, 109.706

■ 91, 5.677, 109.706

■ 100, 5.677,
109.706

■ 81, 5.677, 109.706

■ 71, 5.677, 109.706

■ 61, 5.677, 109.706

■ 51, 5.677, 109.706

■ 41, 5.677, 109.706

■ 31, 5.677, 109.706

■ 21, 5.677, 109.706

■ 11, 5.677, 109.706

■ 1, 5.677, 109.706

91, 5.677, 109.706

91, 5.677, 109.706

90, 17.528,
108.760

92, 6.216, 290.699

90, 29.261,
107.787

92, 12.977,
291.230

90, 40.770,
106.827

92, 12.977,
291.243

89, 51.886,
105.901

92, 12.977,
291.256

89, 62.351,
105.038

92, 12.977,
291.269

89, 71.778,
104.273

92, 12.977,
291.283

89, 79.653,
103.647

92, 12.977,
291.296

89, 85.407,
103.198

92, 12.977,
291.309

■ 89, 88.665,
102.948

■ 92, 12.977,
291.322

Harmonies

Complementary

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



91, 5.677, 109.706



88, 5.758, 290.681

Rectangle

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



91, 5.677, 109.706



91, 5.677, 159.706



91, 5.677, 289.706



91, 5.677, 339.706

Sweetspot

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



91, 5.679, 109.722



100, 1.282, 110.037



88, 3.991, 19.544



53, 0.729, 110.039



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 5.679, 109.722



100, 7.745, 109.604



91, 6.043, 128.881



48, 4.712, 109.548



71, 74.153, 102.876



20, 29.318, 103.677

Inverse Universe

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



88, 5.758, 290.681



95, 7.867, 290.809



88, 6.100, 309.257



45, 4.791, 290.870



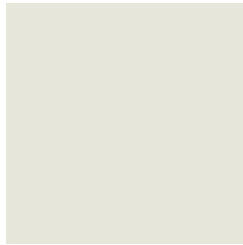
21, 102.389, 306.288



2, 33.678, 296.785

Previews

White Background



This preview shows how the CIELCh color 91, 5.677, 109.706 looks on a white background.

Color Contrast Check

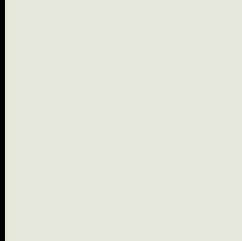
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 91, 5.677, 109.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

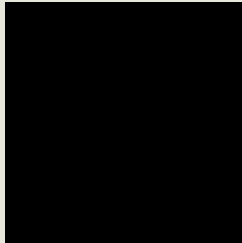
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

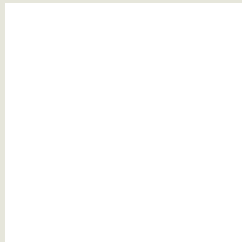
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 5.677, 109.706

Background



This preview shows how black text looks on a background with the CIELCh color 91, 5.677, 109.706.

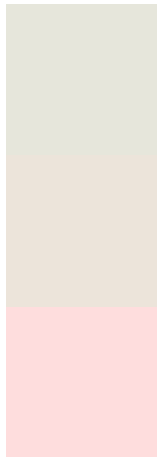


This preview shows how white text looks on a background with the CIELCh color 91, 5.677, 109.706.

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

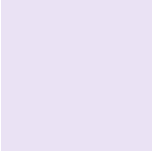
91, 5.677, 109.706

Protanopia

91, 5.914, 80.162

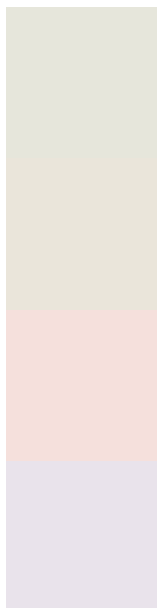
Deuteranopia

91, 12.135, 20.226



Tritanopia
91, 9.792, 307.443

Trichromacy



Original Color
91, 5.677, 109.706

Protanomaly
91, 5.949, 91.873

Deuteranomaly
91, 7.958, 34.869

Tritanomaly
91, 4.692, 317.393

Monochromacy



Original Color
91, 5.677, 109.706

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 2.060, 109.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 5.677, 109.706 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(230, 230, 219)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 219)  
}
```

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(230, 230, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 5.677, 109.706 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(230, 230, 219) }
```

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

```
.border{ border-color:rgb(230, 230, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 219);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 5.677, 109.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 219) }
```

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

```
.background{ background-color: rgb(230,  
230, 219) }
```

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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