

Converting Colors

CIELCh(100, 21.732, 91.737)

Have a look what the booklet for
CIELCh(100, 21.732, 91.737)
contains.

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Color

CIElCh(99, 20.735, 107.577)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFD6
RGB	255, 255, 214
RGB Percent	100%, 100%, 84%
CMY	0.0000, 0.0017, 0.1626
CMYK	0.00, 0.00, 0.16, 0.00
HSL	59°, 100%, 92%
HSV	59°, 16%, 100%
XYZ	89.1445, 97.4360, 77.4194
YIQ	250.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

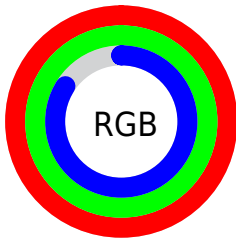
Format	Color
R_{YB}	214, 255, 214
Decimal	16777174
CIE Lab	99.00, -6.26, 19.77
CIE LCh	99, 20.735, 107.577
Yxy	97.4360, 0.3377, 0.3691
Android (android.graphics.Color)	4294967254 (0xFFFFF6D6)
YUV	250.3260, -17.9087, 4.0991
Hunter-Lab	98.7097, -11.5389, 22.5948

Details

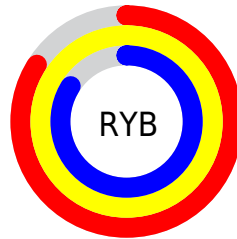
The CIELCh color **99, 20.735, 107.577** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 21.513, 291.570**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 20.645, 108.283** is the 20% darker color. If you saturate the color by 10%, you get **98, 33.347, 107.170**, and if you desaturate by 10%, it is **100, 7.993, 109.139**.

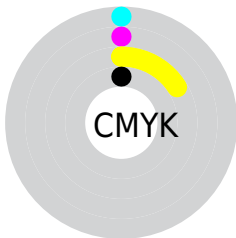
Distribution



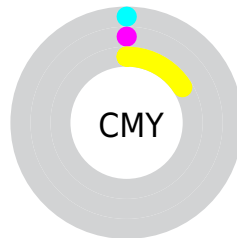
- Red (100%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 20.735, 107.577 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 99, 20.735, 107.577 by changing the saturation by 10% instead.


 99, 20.735,
107.577


 99, 20.735,
107.577

 100, 20.735,
107.577


 89, 20.735,
107.577

 79, 20.735,
107.577

 69, 20.735,
107.577

 59, 20.735,
107.577

 49, 20.735,
107.577

 39, 20.735,
107.577

 29, 20.735,

107.577

■ 19, 20.735,
107.577

■ 9, 20.735, 107.577

■ 99, 20.735,
107.577

■ 99, 20.735,
107.577

■ 98, 33.347,
107.170

■ 100, 7.993,
109.139

■ 98, 45.700,
106.195

100, 0.012,
296.813

■ 98, 57.601,
105.256

■ 97, 68.745,
104.382

■ 97, 78.684,
103.607

■ 97, 86.828,
102.973

■ 97, 92.552,
102.515

■ 96, 95.511,
102.246

■ 96, 96.138,
102.178

Harmonies

Complementary

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



99, 20.735, 107.577



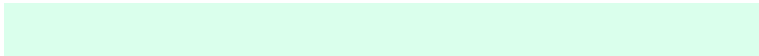
87, 21.513, 291.570

Rectangle

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



99, 20.735, 107.577



99, 20.735, 157.577



99, 20.735, 287.577



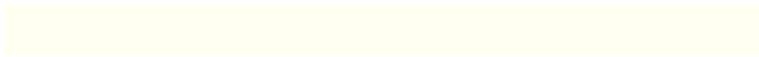
99, 20.735, 337.577

Sweetspot

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



99, 20.736, 108.159



100, 6.385, 109.260



89, 15.418, 19.185



53, 4.357, 109.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

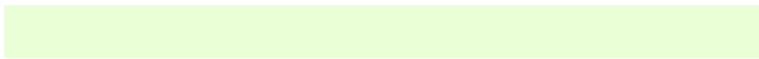
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 20.736, 108.159



99, 25.476, 107.788



98, 22.300, 127.739



53, 7.261, 108.823



75, 77.444, 102.190



26, 35.234, 102.421

Inverse Universe

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



87, 21.513, 291.570



84, 26.669, 292.059



88, 22.825, 309.251



49, 7.423, 290.762



23, 107.303, 306.166



3, 43.794, 301.588

Previews

White Background



This preview shows how the CIE LCh color 99, 20.735, 107.577 looks on a white background.

Color Contrast Check

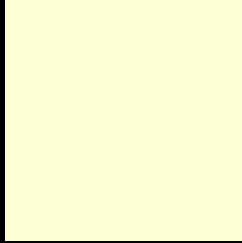
Large Text (above 18pt) WCAG AA × Fail

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 99, 20.735, 107.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

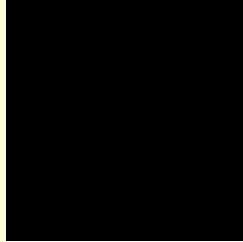
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 20.735, 107.577

Background



This preview shows how black text looks on a background with the CIELCh color 99, 20.735, 107.577.



This preview shows how white text looks on a background with the CIELCh color 99, 20.735, 107.577.

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
99, 20.719, 108.609



Protanopia
99, 4.181, 95.099

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.311, 317.261

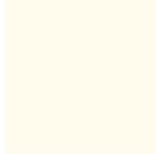
Trichromacy



Original Color
99, 20.719, 108.609



Protanomaly
99, 10.157, 105.331

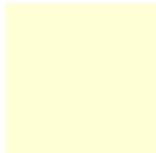


Deuteranomaly
99, 7.674, 101.531

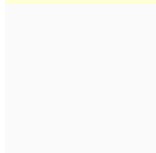


Tritanomaly
99, 6.120, 103.010

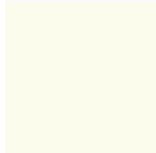
Monochromacy



Original Color
99, 20.719, 108.609



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 7.610, 109.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 20.735, 107.577 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(255, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 214)  
}
```

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(255, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 20.735, 107.577 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(255, 255, 214) }
```

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

```
.border{ border-color:rgb(255, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 20.735, 107.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 214) }
```

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

```
.background{ background-color: rgb(255,  
255, 214) }
```

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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