

Converting Colors

CIELCh(100, 6.516, 116.955)

Have a look what the booklet for
CIELCh(100, 6.516, 116.955)
contains.

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Color

CIElCh(100, 5.582, 113.390)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFF5
RGB	255, 255, 245
RGB Percent	100%, 100%, 96%
CMY	0.0000, 0.0000, 0.0393
CMYK	0.00, 0.00, 0.04, 0.00
HSL	60°, 100%, 98%
HSV	60°, 4%, 100%
XYZ	93.7889, 100.0000, 100.7279
YIQ	253.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

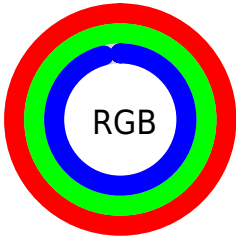
Format	Color
R_{YB}	245, 255, 245
Decimal	16777205
CIE _{Lab}	100.00, -2.22, 5.12
CIE _{LCh}	100, 5.582, 113.390
Y _{xy}	100.0000, 0.3184, 0.3395
Android (android.graphics.Color)	4294967285 (0xFFFFFFFF5)
YUV	253.8600, -4.3680, 0.9998
Hunter-Lab	100.0000, -7.5869, 10.2784

Details

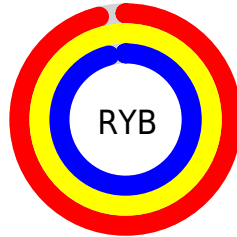
The CIELCh color 100, 5.582, 113.390 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.134, 290.629, and the grayscale version is 100, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 80, 4.777, 109.733 is the 20% darker color. If you saturate the color by 10%, you get 99, 17.961, 108.869, and if you desaturate by 10%, it is 100, 0.012, 296.813.

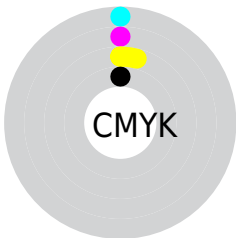
Distribution



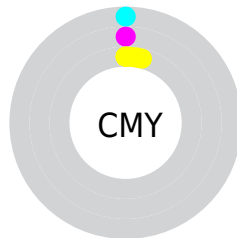
- Red (100%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (96%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 100, 5.582, 113.390 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 100, 5.582, 113.390 by changing the saturation by 10% instead.


 100, 5.582,
113.390

 100, 5.582,
113.390

 90, 5.582, 113.390


 99, 17.961,
108.869

 80, 5.582, 113.390


 99, 30.733,
107.892

 70, 5.582, 113.390

 60, 5.582, 113.390

 98, 43.271,
106.926

 50, 5.582, 113.390

 98, 55.395,
105.994

 40, 5.582, 113.390

 30, 5.582, 113.390

 98, 66.825,
105.123

 20, 5.582, 113.390

 97, 77.149,
104.349

 10, 5.582, 113.390

 97, 85.805,

103.714

■ 97, 92.167,
103.257

■ 97, 95.807,
103.003

■ 100, 5.582,
113.390

100, 0.012,
296.813

Harmonies

Complementary

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



100, 5.582, 113.390



97, 5.134, 290.629

Rectangle

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



100, 5.582, 113.390



100, 5.582, 163.390

100, 5.582, 293.390



100, 5.582, 343.390

Sweetspot

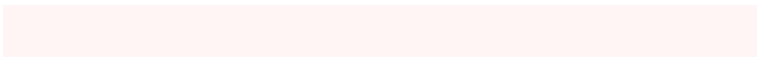
The Sweet Spot groups the original color and five complimentary colors.



100, 5.069, 109.832



100, 1.282, 110.070



97, 3.552, 19.458



53, 0.729, 110.072



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



100, 5.069, 109.832



100, 6.453, 109.732



99, 5.392, 128.923



53, 4.403, 109.665



75, 78.056, 102.927



26, 35.524, 103.060

Inverse Universe

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



97, 5.134, 290.629



96, 6.545, 290.737



97, 5.441, 309.215



51, 4.470, 290.809



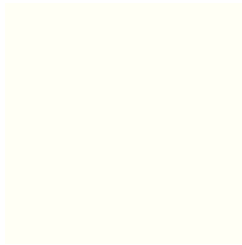
23, 107.775, 306.291



3, 44.130, 301.783

Previews

White Background



This preview shows how the CIE LCh color 100, 5.582, 113.390 looks on a white background.

Color Contrast Check

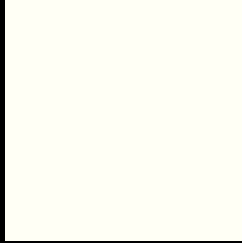
Large Text (above 18pt) WCAG AA × Fail

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 100, 5.582, 113.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

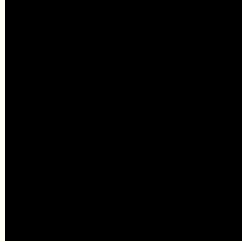
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 5.582, 113.390

Background



This preview shows how black text looks on a background with the CIELCh color 100, 5.582, 113.390.



This preview shows how white text looks on a background with the CIELCh color 100, 5.582, 113.390.

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
100, 5.059, 109.785

Protanopia
100, 0.604, 74.594

Deuteranopia
100, 0.351, 17.546

Tritanopia
100, 0.519, 290.364

Trichromacy

Original Color

100, 5.059, 109.785

Protanomaly

100, 2.045, 100.090

Deuteranomaly

100, 1.548, 96.903

Tritanomaly

100, 1.511, 110.014

Monochromacy

Original Color

100, 5.059, 109.785

Achromatopsia

100, 0.012, 296.813

Achromatomaly

100, 1.511, 110.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 5.582, 113.390 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 100, 5.582, 113.390 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, 245) }
```

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

```
.border{ border-color:rgb(255, 255, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 100, 5.582, 113.390 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
255, 245) }
```

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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