

Converting Colors

CIELCh(96, 12.231, 289.167)

Have a look what the booklet for
CIELCh(96, 12.231, 289.167)
contains.

| | |
|--|----|
| CIELCh(96, 6.678, 287.746) | 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(96, 6.678, 287.746)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2F3FF |
| RGB | 242, 243, 255 |
| RGB Percent | 95%, 95%, 100% |
| CMY | 0.0522, 0.0482, 0.0000 |
| CMYK | 0.05, 0.05, 0.00, 0.00 |
| HSL | 235°, 100%, 97% |
| HSV | 235°, 5%, 100% |
| XYZ | 86.6364, 90.0078, 108.0094 |
| YIQ | 244.0690, -4.4480, 3.5200 |

Conversions

Conversions Part 2

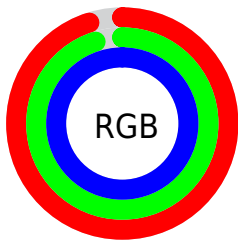
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 242, 243, 255 |
| Decimal | 15922175 |
| CIE Lab | 96.00, 2.04, -6.36 |
| CIE LCh | 96, 6.678, 287.746 |
| Yxy | 90.0078, 0.3044, 0.3162 |
| Android (android.graphics.Color) | 4294112255 (0xFF2F3FF) |
| YUV | 244.0690, 5.3890, -1.8145 |
| Hunter-Lab | 94.8724, -3.0227, -1.0892 |

Details

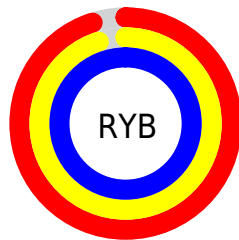
The CIELCh color **96, 6.678, 287.746** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 6.235, 106.410**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 5.932, 287.255** is the 20% darker color. If you saturate the color by 10%, you get **88, 18.746, 288.722**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

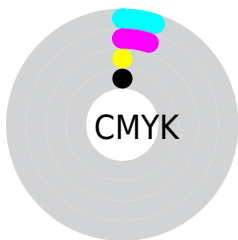
Distribution



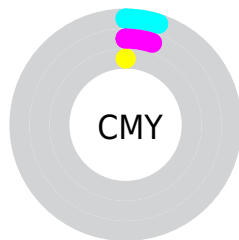
- Red (95%)
- Green (95%)
- Blue (100%)



- Red (95%)
- Yellow (95%)
- Blue (100%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.678, 287.746 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 96, 6.678, 287.746 by changing the saturation by 10% instead.

 96, 6.678, 287.746

 96, 6.678, 287.746

 100, 6.678,
287.746

 86, 6.678, 287.746

 76, 6.678, 287.746

 66, 6.678, 287.746

 56, 6.678, 287.746

 46, 6.678, 287.746

 36, 6.678, 287.746

 26, 6.678, 287.746

 16, 6.678, 287.746

 6, 6.678, 287.746

96, 6.678, 287.746

96, 6.678, 287.746

88, 18.746,
288.722

100, 0.012,
296.813

80, 31.667,
290.133

73, 45.117,
291.792

65, 59.129,
293.725

57, 73.682,
295.934

50, 88.612,
298.367

44, 103.399,
300.879

38, 116.882,
303.210

■ 35,127.208,
305.023

Harmonies

Complementary

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



96, 6.678, 287.746



99, 6.235, 106.410

Rectangle

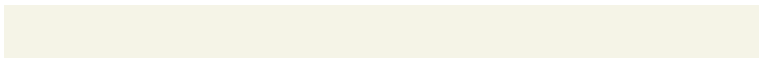
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



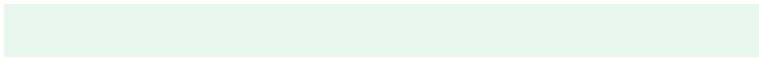
96, 6.678, 287.746



96, 6.678, 337.746



96, 6.678, 107.746



96, 6.678, 157.746

Sweetspot

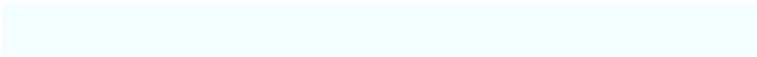
The Sweet Spot groups the original color and five complimentary colors.



96, 6.315, 287.534



98, 2.414, 287.216



99, 4.637, 192.258



53, 1.373, 287.208



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 6.315, 287.534



95, 7.272, 287.618



96, 7.118, 306.345



50, 4.829, 287.690



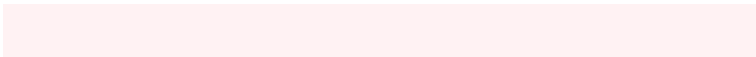
24, 104.330, 305.387



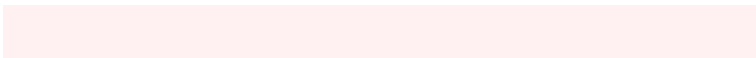
4, 41.729, 300.438

Inverse Universe

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



96, 4.765, 13.421



96, 5.495, 13.503



99, 7.041, 125.871



51, 3.653, 13.569



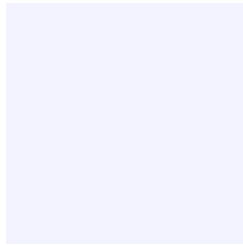
40, 81.094, 37.106



10, 32.774, 24.128

Previews

White Background



This preview shows how the CIELCh color 96, 6.678, 287.746 looks on a white background.

Color Contrast Check

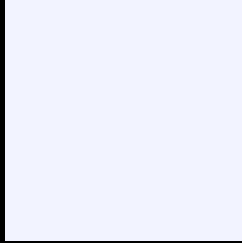
Large Text (above 18pt) WCAG AA × Fail

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 96, 6.678, 287.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

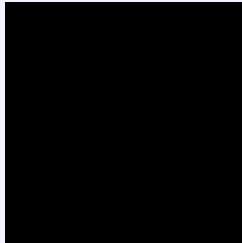
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 6.678, 287.746

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.678, 287.746.

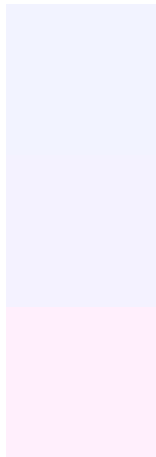


This preview shows how white text looks on a background with the CIELCh color 96, 6.678, 287.746.

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


96, 6.161, 287.455

Protanopia

96, 6.719, 296.596

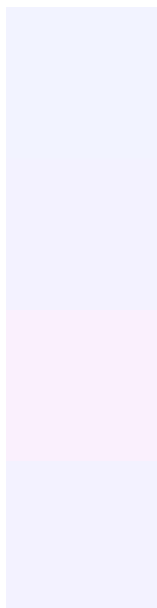
Deuteranopia

96, 8.758, 330.441



Tritanopia
96, 6.688, 293.655

Trichromacy



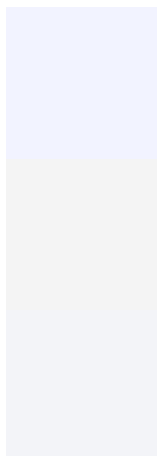
Original Color
96, 6.161, 287.455

Protanomaly
96, 6.688, 293.655

Deuteranomaly
96, 7.569, 318.074

Tritanomaly
96, 6.688, 293.655

Monochromacy



Original Color
96, 6.161, 287.455

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.082, 280.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.678, 287.746 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(242, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 243, 255)  
}
```

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(242, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.678, 287.746 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(242, 243, 255) }
```

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

```
.border{ border-color:rgb(242, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.678, 287.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 243, 255) }
```

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

```
.background{ background-color: rgb(242,  
243, 255) }
```

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