

# Converting Colors

CIELCh(95, 7.546, 265.019)

Have a look what the booklet for  
CIELCh(95, 7.546, 265.019) contains.

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# Color

**CIELCh(95, 7.439, 263.400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F2FF
RGB	232, 242, 255
RGB Percent	91%, 95%, 100%
CMY	0.0914, 0.0522, 0.0012
CMYK	0.09, 0.05, 0.00, 0.00
HSL	214°, 97%, 95%
HSV	214°, 9%, 100%
XYZ	82.8329, 87.6183, 106.8848
YIQ	240.4920, -10.1330, 1.9230

# Conversions

## Conversions Part 2

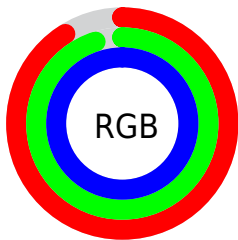
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 239, 255
Decimal	15266559
CIE Lab	95.00, -0.86, -7.39
CIE LCh	95, 7.439, 263.400
Yxy	87.6183, 0.2987, 0.3159
Android (android.graphics.Color)	4293456639 (0xFFE8F2FF)
YUV	240.4920, 7.1524, -7.4475
Hunter-Lab	93.6047, -5.8494, -2.1785

# Details

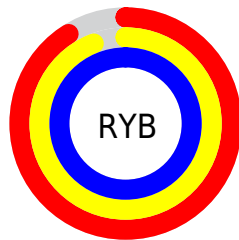
The CIELCh color **95, 7.439, 263.400** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97, 7.527, 80.920**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 7.323, 261.712** is the 20% darker color. If you saturate the color by 10%, you get **90, 15.677, 264.929**, and if you desaturate by 10%, it is **100, 0.150, 109.650**.

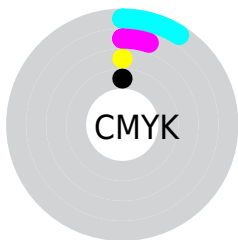
# Distribution



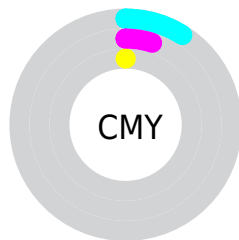
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 7.439, 263.400 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 95, 7.439, 263.400 by changing the saturation by 10% instead.



95, 7.439, 263.400

95, 7.439, 263.400

100, 7.439,  
263.400

85, 7.439, 263.400

75, 7.439, 263.400

65, 7.439, 263.400

55, 7.439, 263.400

45, 7.439, 263.400

35, 7.439, 263.400

25, 7.439, 263.400

15, 7.439, 263.400

5, 7.439, 263.400

95, 7.439, 263.400

95, 7.439, 263.400

90, 15.677,  
264.929

100, 0.150,  
109.650

84, 23.912,  
266.775

79, 32.132,  
268.960

74, 40.340,  
271.538

69, 48.556,  
274.553

64, 56.834,  
278.020

59, 65.247,  
281.899

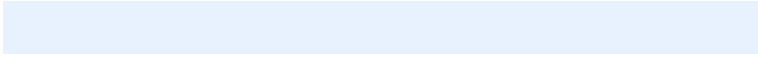
55, 73.872,  
286.072

■ 51, 82.734,  
290.293

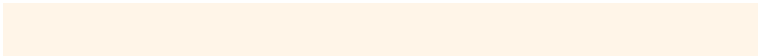
# Harmonies

# Complementary

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



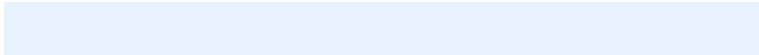
95, 7.439, 263.400



97, 7.527, 80.920

# Rectangle

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



95, 7.439, 263.400



95, 7.439, 313.400



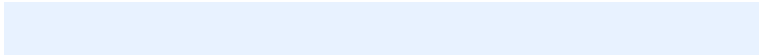
95, 7.439, 83.400



95, 7.439, 133.400

# Sweetspot

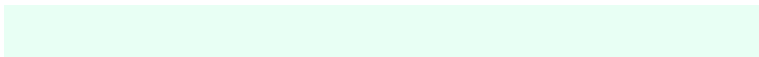
The Sweet Spot groups the original color and five complimentary colors.



95, 7.438, 263.385



98, 2.478, 262.655



98, 9.646, 165.699



52, 1.877, 262.729



0, 0.000, 0.000



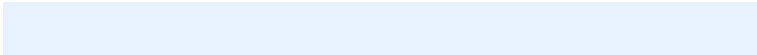
53, 0.007, 296.813



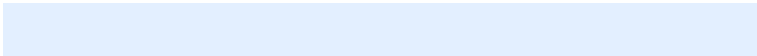


# Same Dimension

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



95, 7.438, 263.385



94, 9.070, 263.666



93, 11.906, 293.007



50, 4.688, 263.451



38, 66.186, 289.921



10, 26.671, 283.904



# Inverse Universe

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



94, 9.700, 348.065



93, 11.863, 348.261



99, 11.654, 111.338



50, 6.118, 348.113



41, 68.036, 8.403

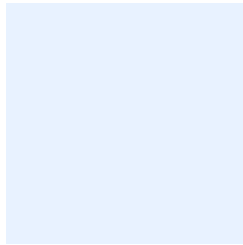


10, 31.411, 1.839



# Previews

## White Background



This preview shows how the CIELCh color 95, 7.439, 263.400 looks on a white background.

## Color Contrast Check

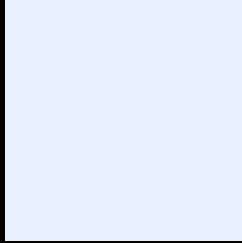
Large Text (above 18pt) WCAG AA × Fail

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 95, 7.439, 263.400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

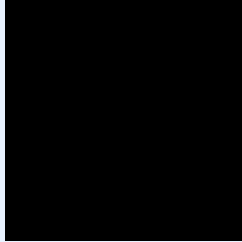
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

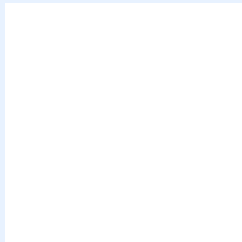
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 7.439, 263.400

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 7.439, 263.400.



This preview shows how white text looks on a background with the CIELCh color 95, 7.439, 263.400.

# 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

95, 7.439, 263.400

### Protanopia

95, 7.246, 296.212

### Deuteranopia

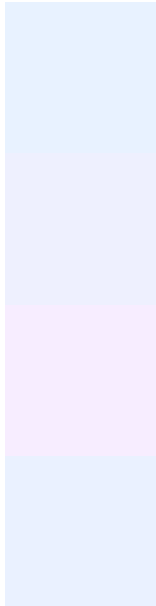
95, 13.109, 324.873





**Tritanopia**  
95, 7.445, 274.736

# Trichromacy



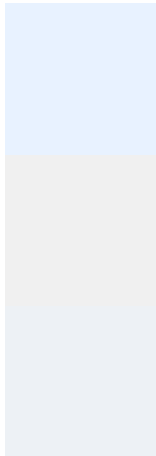
**Original Color**  
95, 7.439, 263.400

**Protanomaly**  
95, 7.220, 285.280

**Deuteranomaly**  
95, 9.931, 311.271

**Tritanomaly**  
95, 7.540, 272.239

# Monochromacy



**Original Color**  
95, 7.439, 263.400

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 2.472, 255.997

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 7.439, 263.400 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(232, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 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(232, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 7.439, 263.400 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(232, 242, 255) }
```

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

```
.border{ border-color:rgb(232, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 7.439, 263.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 255) }
```

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

```
.background{ background-color: rgb(232,  
242, 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](#).

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