

# Converting Colors

CIE LCh(96, 6.810, 284.658)

Have a look what the booklet for  
CIELCh(96, 6.810, 284.658) contains.

<b>CIELCh(96, 6.184, 284.270)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(96, 6.184, 284.270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F3FF
RGB	241, 243, 255
RGB Percent	95%, 95%, 100%
CMY	0.0550, 0.0471, 0.0001
CMYK	0.05, 0.05, 0.00, 0.00
HSL	231°, 100%, 97%
HSV	231°, 5%, 100%
XYZ	86.3626, 90.0078, 107.4142
YIQ	243.7700, -5.0440, 3.3080

# Conversions

## Conversions Part 2

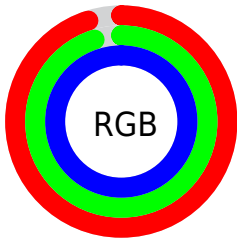
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 243, 255
Decimal	15856639
CIE Lab	96.00, 1.52, -5.99
CIE LCh	96, 6.184, 284.270
Yxy	90.0078, 0.3043, 0.3172
Android (android.graphics.Color)	4294046719 (0xFFFF1F3FF)
YUV	243.7700, 5.5364, -2.4293
Hunter-Lab	94.8724, -3.5377, -0.7172

# Details

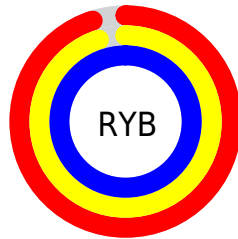
The CIELCh color **96, 6.184, 284.270** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 6.114, 102.998**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 5.959, 283.799** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.715, 285.507**, and if you desaturate by 10%, it is **100, 0.004, 311.605**.

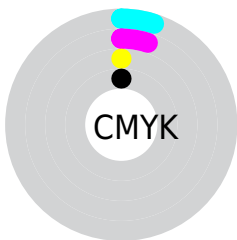
# Distribution



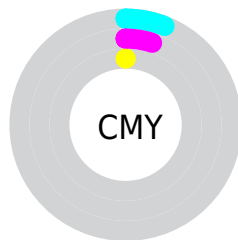
- Red (95%)
- Green (95%)
- Blue (100%)



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



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



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 6.184, 284.270 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, 6.184, 284.270 by changing the saturation by 10% instead.



 96, 6.184, 284.270

 96, 6.184, 284.270

 100, 6.184,  
284.270

 86, 6.184, 284.270

 76, 6.184, 284.270

 66, 6.184, 284.270

 56, 6.184, 284.270

 46, 6.184, 284.270

 36, 6.184, 284.270

 26, 6.184, 284.270

 16, 6.184, 284.270

 6, 6.184, 284.270

96, 6.184, 284.270

96, 6.184, 284.270

89, 17.715,  
285.507

100, 0.004,  
311.605

81, 29.655,  
286.990

74, 42.036,  
288.731

67, 54.898,  
290.762

60, 68.256,  
293.096

53, 82.051,  
295.703

46, 96.011,  
298.476

41, 109.441,  
301.205

■ 37,121.038,  
303.588

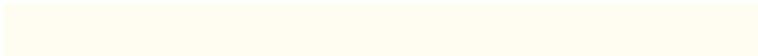
# Harmonies

# Complementary

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



96, 6.184, 284.270



99, 6.114, 102.998

# Rectangle

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



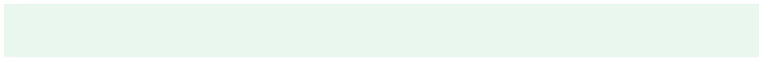
96, 6.184, 284.270



96, 6.184, 334.270



96, 6.184, 104.270



96, 6.184, 154.270

# Sweetspot

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



96, 6.182, 284.256



99, 2.247, 283.902



99, 4.972, 186.798



53, 1.277, 283.895



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, 6.182, 284.256



95, 7.899, 284.429



96, 7.409, 303.951



50, 5.137, 284.500



25, 99.714, 304.100

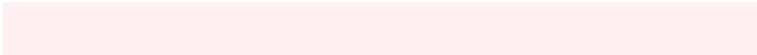


5, 39.573, 299.045



# Inverse Universe

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



96, 5.091, 8.038



95, 6.522, 8.204



99, 7.319, 123.389



50, 4.245, 8.269



40, 77.830, 33.512

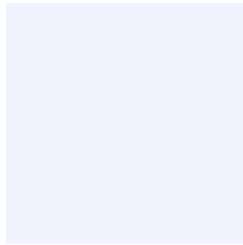


10, 32.322, 21.309



# Previews

## White Background



This preview shows how the CIELCh color 96, 6.184, 284.270 looks on a white background.

## Color Contrast Check

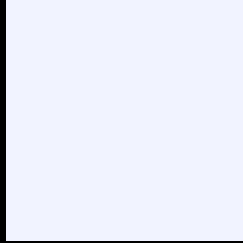
Large Text (above 18pt) WCAG AA × Fail

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, 6.184, 284.270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

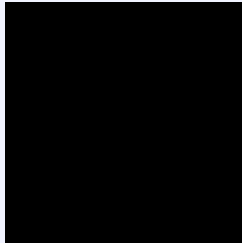
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

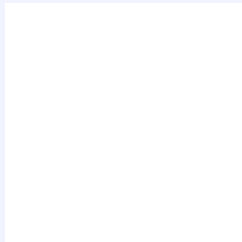
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 6.184, 284.270

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.184, 284.270.



This preview shows how white text looks on a background with the CIELCh color 96, 6.184, 284.270.

# 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, 6.184, 284.270

### Protanopia

96, 6.210, 297.055

### Deuteranopia

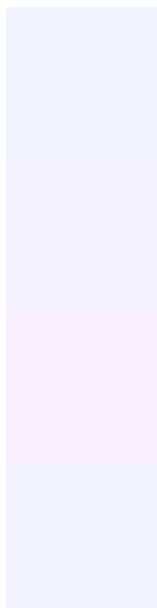
96, 8.758, 330.441





**Tritanopia**  
96, 6.161, 287.455

# Trichromacy



**Original Color**  
96, 6.184, 284.270

**Protanomaly**  
96, 6.176, 293.868

**Deuteranomaly**  
96, 7.569, 318.074

**Tritanomaly**  
96, 6.161, 287.455

# Monochromacy



**Original Color**  
96, 6.184, 284.270

**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, 6.184, 284.270 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(241, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 6.184, 284.270 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(241, 243, 255) }
```

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

```
.border{ border-color:rgb(241, 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(241, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 6.184, 284.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 255) }
```

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

```
.background{ background-color: rgb(241,  
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