

Converting Colors

CIELCh(63, 63.061, 293.676)

Have a look what the booklet for
CIELCh(63, 63.061, 293.676)
contains.

CIELCh(63, 62.449, 293.556)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 62.449, 293.556)

Conversions

Conversions Part 1

Format	Color
Hex	838FFF
RGB	131, 143, 255
RGB Percent	51%, 56%, 100%
CMY	0.4872, 0.4401, 0.0010
CMYK	0.49, 0.44, 0.00, 0.00
HSL	234°, 100%, 76%
HSV	234°, 49%, 100%
XYZ	37.1193, 31.5869, 98.5349
YIQ	152.1800, -43.1040, 32.2880

Conversions

Conversions Part 2

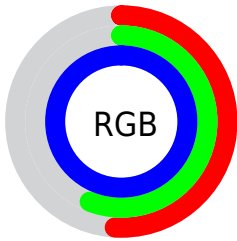
Format	Color
RYB	131, 142, 255
Decimal	8622079
CIELab	63.00, 24.96, -57.25
CIELCh	63, 62.449, 293.556
Yxy	31.5869, 0.2220, 0.1889
Android (android.graphics.Color)	4286812159 (0xFF838FFF)
YUV	152.1800, 50.6903, -18.5749
Hunter-Lab	56.2022, 19.5382, -64.6068

Details

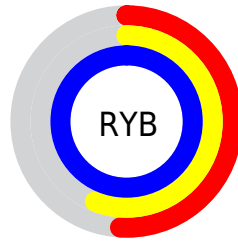
The CIELCh color **63, 62.449, 293.556** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 55.969, 100.724**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 30.886, 288.716**, and **43, 62.717, 293.696** is the 20% darker color. If you saturate the color by 10%, you get **56, 76.775, 295.894**, and if you desaturate by 10%, it is **71, 48.630, 291.496**.

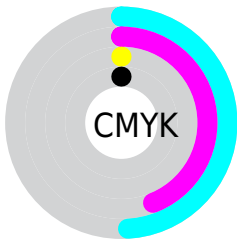
Distribution



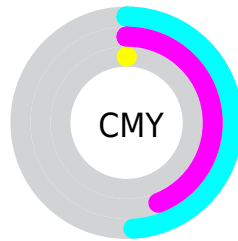
- Red (51%)
- Green (56%)
- Blue (100%)



- Red (51%)
- Yellow (56%)
- Blue (100%)



- Cyan (49%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (44%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 62.449, 293.556 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 63, 62.449, 293.556 by changing the saturation by 10% instead.


 63, 62.449,
293.556


 63, 62.449,
293.556


 100, 62.449,
293.556


 53, 62.449,
293.556


 83, 62.449,
293.556

 43, 62.449,
293.556

 93, 62.449,
293.556

 33, 62.449,
293.556

 23, 62.449,
293.556

 13, 62.449,
293.556

 3, 62.449, 293.556

 0, 62.449, 293.556

■ 63, 62.449,
293.556

■ 63, 62.449,
293.556

■ 56, 76.775,
295.894

■ 71, 48.630,
291.496

■ 49, 91.409,
298.439

■ 78, 35.354,
289.721

■ 43, 105.760,
301.024

■ 86, 22.594,
288.207

■ 37, 118.590,
303.370

■ 93, 10.310,
286.924

■ 34, 128.096,
305.135

■ 100, 0.116,
109.505

■ 34, 129.035,
305.301

Harmonies

Complementary

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



63, 62.449, 293.556



95, 55.969, 100.724

Rectangle

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



63, 62.449, 293.556



63, 62.449, 343.556



63, 62.449, 113.556



63, 62.449, 163.556

Sweetspot

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



63, 62.448, 293.557



89, 18.043, 287.710



93, 37.953, 187.255



46, 12.357, 287.991



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 62.448, 293.557



56, 75.858, 295.730



64, 70.291, 308.508



49, 6.773, 287.022



24, 103.074, 305.047



5, 41.044, 300.018

Inverse Universe

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



69, 50.577, 17.851



64, 61.172, 20.182



94, 64.153, 123.067



50, 5.287, 12.122



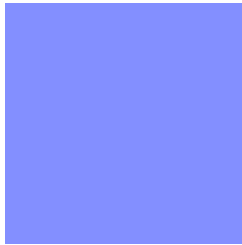
40, 80.120, 36.106



10, 32.622, 23.241

Previews

White Background



This preview shows how the CIELCh color 63, 62.449, 293.556 looks on a white background.

Color Contrast Check

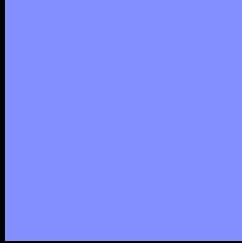
Large Text (above 18pt) WCAG AA × Fail

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 63, 62.449, 293.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

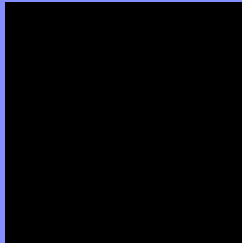
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 62.449, 293.556

Background



This preview shows how black text looks on a background with the CIELCh color 63, 62.449, 293.556.



This preview shows how white text looks on a background with the CIELCh color 63, 62.449, 293.556.

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
63, 62.449, 293.556

Protanopia
63, 59.460, 286.091

Deuteranopia
63, 56.416, 279.660



Tritanopia
63, 19.247, 220.375

Trichromacy



Original Color
63, 62.449, 293.556

Protanomaly
63, 60.366, 288.772

Deuteranomaly
63, 58.549, 284.742

Tritanomaly
63, 29.374, 269.076

Monochromacy



Original Color
63, 62.449, 293.556

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 22.446, 288.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 62.449, 293.556 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(131, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 143, 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(131, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 143, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 62.449, 293.556 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(131, 143, 255) }
```

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

```
.border{ border-color:rgb(131, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 143,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 62.449, 293.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 143, 255) }
```

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

```
.background{ background-color: rgb(131,  
143, 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