

Converting Colors

CIELCh(71, 31.842, 278.956)

Have a look what the booklet for
CIELCh(71, 31.842, 278.956)
contains.

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Color

CIELCh(71, 31.817, 278.505)

Conversions

Conversions Part 1

Format	Color
Hex	94AEE7
RGB	148, 174, 231
RGB Percent	58%, 68%, 91%
CMY	0.4207, 0.3187, 0.0953
CMYK	0.36, 0.25, 0.00, 0.10
HSL	221°, 63%, 74%
HSV	221°, 36%, 90%
XYZ	41.6265, 42.1875, 81.3324
YIQ	172.7240, -33.7930, 12.2150

Conversions

Conversions Part 2

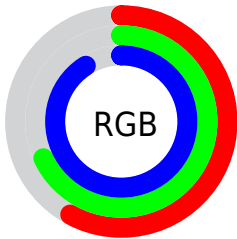
Format	Color
RYB	148, 168, 231
Decimal	9744103
CIELab	71.00, 4.71, -31.47
CIELCh	71, 31.817, 278.505
Yxy	42.1875, 0.2521, 0.2555
Android (android.graphics.Color)	4287934183 (0xFF94AEE7)
YUV	172.7240, 28.7301, -21.6829
Hunter-Lab	64.9519, 0.7315, -28.7763

Details

The CIELCh color `71, 31.817, 278.505` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `83, 31.755, 88.041`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 15.614, 259.407`, and `51, 31.616, 278.247` is the 20% darker color. If you saturate the color by 10%, you get `65, 41.073, 280.786`, and if you desaturate by 10%, it is `77, 22.754, 276.553`.

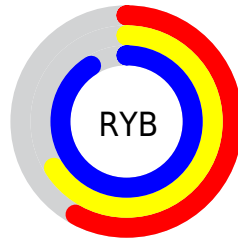
Distribution



Red (58%)

Green (68%)

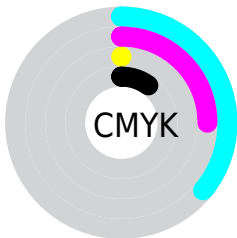
Blue (91%)



Red (58%)

Yellow (66%)

Blue (91%)

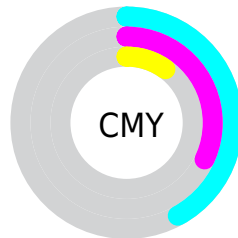


Cyan (36%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (42%)


Magenta (32%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.817, 278.505 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 71, 31.817, 278.505 by changing the saturation by 10% instead.


 71, 31.817,
278.505


 71, 31.817,
278.505


 100, 31.817,
278.505


 61, 31.817,
278.505


 91, 31.817,
278.505

 51, 31.817,
278.505

 41, 31.817,
278.505

 31, 31.817,
278.505

 21, 31.817,
278.505

 11, 31.817,
278.505

 1, 31.817, 278.505

■ 0, 31.817, 278.505

■ 71, 31.817,
278.505

■ 71, 31.817,
278.505

■ 65, 41.073,
280.786

■ 77, 22.754,
276.553

■ 60, 50.557,
283.431

■ 82, 13.866,
274.890

■ 54, 60.307,
286.444

■ 88, 5.142, 273.491

■ 49, 70.342,
289.783

■ 94, 3.423, 92.139

■ 44, 80.608,
293.325

■ 99, 11.284,
105.514

■ 40, 90.874,
296.860

■ 99, 12.295,
109.248

■ 39, 94.929,
298.176

Harmonies

Complementary

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



71, 31.817, 278.505



83, 31.755, 88.041

Rectangle

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



71, 31.817, 278.505



71, 31.817, 328.505



71, 31.817, 98.505



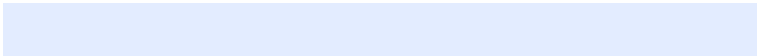
71, 31.817, 148.505

Sweetspot

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



71, 31.816, 278.504



93, 10.315, 274.169



86, 31.370, 171.140



49, 6.939, 274.363



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 31.816, 278.504



73, 41.551, 280.127



65, 46.469, 300.598



45, 4.884, 273.946



30, 77.006, 297.588



6, 26.073, 288.663

Inverse Universe

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



70, 34.673, 359.238



73, 45.156, 0.452



89, 42.695, 114.810



45, 5.231, 355.882



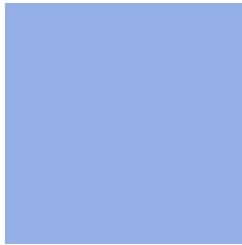
37, 66.633, 19.739



7, 26.673, 7.746

Previews

White Background



This preview shows how the CIELCh color 71, 31.817, 278.505 looks on a white background.

Color Contrast Check

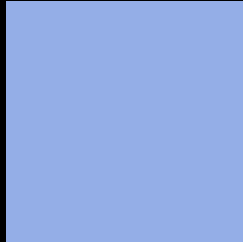
Large Text (above 18pt) WCAG AA × Fail

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 71, 31.817, 278.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

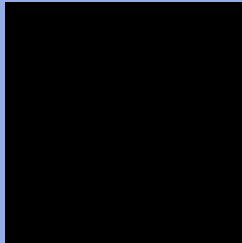
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

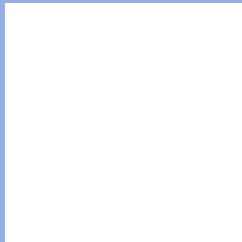
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.817, 278.505

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.817, 278.505.



This preview shows how white text looks on a background with the CIELCh color 71, 31.817, 278.505.

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

71, 31.817, 278.505

Protanopia

71, 31.825, 285.793

Deuteranopia

71, 32.898, 286.175



Tritanopia
71, 15.796, 229.921

Trichromacy



Original Color
71, 31.817, 278.505

Protanomaly
71, 31.980, 283.053

Deuteranomaly
71, 32.511, 283.299

Tritanomaly
71, 19.780, 255.207

Monochromacy



Original Color
71, 31.817, 278.505

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 11.408, 273.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.817, 278.505 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(148, 174, 231)` looks like.

```
.text, #text, p{  
    color:rgb(148, 174, 231)  
}
```

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(148, 174, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 174, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.817, 278.505 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(148, 174, 231) }
```

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

```
.border{ border-color:rgb(148, 174, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 174, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 174, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 174, 231);  
box-shadow:4px 4px 4px 4px rgb(148, 174,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.817, 278.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 174, 231) }
```

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

```
.background{ background-color: rgb(148,  
174, 231) }
```

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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