

Converting Colors

CIELCh(72, 30.795, 282.441)

Have a look what the booklet for
CIELCh(72, 30.795, 282.441)
contains.

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Color

CIELCh(72, 30.825, 282.466)

Conversions

Conversions Part 1

Format	Color
Hex	9DAFE7
RGB	157, 175, 231
RGB Percent	62%, 69%, 91%
CMY	0.3839, 0.3133, 0.0937
CMYK	0.32, 0.24, 0.00, 0.09
HSL	225°, 61%, 76%
HSV	225°, 32%, 91%
XYZ	43.7189, 43.6590, 81.8111
YIQ	176.0020, -28.7040, 13.6000

Conversions

Conversions Part 2

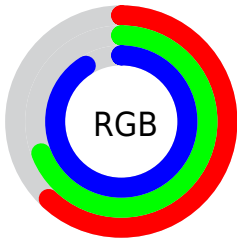
Format	Color
R _Y B	157, 171, 231
Decimal	10334183
CIE Lab	72.00, 6.65, -30.10
CIE LCh	72, 30.825, 282.466
Yxy	43.6590, 0.2584, 0.2580
Android (android.graphics.Color)	4288524263 (0xFF9DAFE7)
YUV	176.0020, 27.1140, -16.6648
Hunter-Lab	66.0750, 2.4745, -27.1578

Details

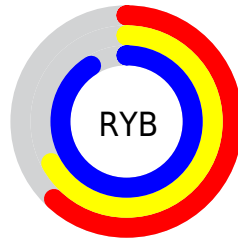
The CIELCh color `72, 30.825, 282.466` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `86, 30.048, 93.769`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `91, 14.017, 267.363`, and `52, 30.575, 281.948` is the 20% darker color. If you saturate the color by 10%, you get `66, 41.023, 284.513`, and if you desaturate by 10%, it is `78, 20.916, 280.714`.

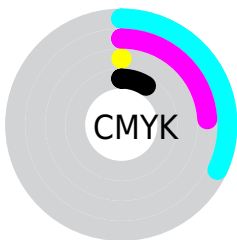
Distribution



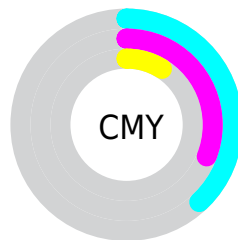
- Red (62%)
- Green (69%)
- Blue (91%)



- Red (62%)
- Yellow (67%)
- Blue (91%)



- Cyan (32%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 30.825, 282.466 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 72, 30.825, 282.466 by changing the saturation by 10% instead.

■ 72, 30.825,
282.466

■ 72, 30.825,
282.466

■ 100, 30.825,
282.466

■ 62, 30.825,
282.466

■ 92, 30.825,
282.466

■ 52, 30.825,
282.466

■ 42, 30.825,
282.466

■ 32, 30.825,
282.466

■ 22, 30.825,
282.466

■ 12, 30.825,
282.466

■ 2, 30.825, 282.466

0, 30.825, 282.466

72, 30.825,
282.466

72, 30.825,
282.466

66, 41.023,
284.513

78, 20.916,
280.714

60, 51.549,
286.890

84, 11.274,
279.222

54, 62.428,
289.605

90, 1.878, 278.027

97, 7.285, 96.784

48, 73.649,
292.619

99, 12.087,
109.264

43, 85.076,
295.820

38, 96.317,
299.001

■ 35,104.684,
301.300

Harmonies

Complementary

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



72, 30.825, 282.466



86, 30.048, 93.769

Rectangle

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



72, 30.825, 282.466



72, 30.825, 332.466



72, 30.825, 102.466



72, 30.825, 152.466

Sweetspot

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



72, 30.824, 282.465



93, 10.136, 278.957



87, 26.885, 176.376



49, 6.927, 279.147



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 30.824, 282.465



75, 39.961, 283.695



69, 41.293, 302.362



45, 5.282, 278.878



27, 84.931, 300.805



5, 28.010, 291.217

Inverse Universe

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



72, 30.089, 3.698



76, 39.028, 4.693



89, 38.529, 117.886



45, 5.062, 0.855



37, 69.121, 25.883



7, 26.642, 11.452

Previews

White Background



This preview shows how the CIELCh color 72, 30.825, 282.466 looks on a white background.

Color Contrast Check

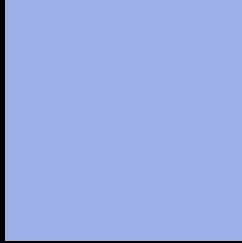
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 30.825, 282.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

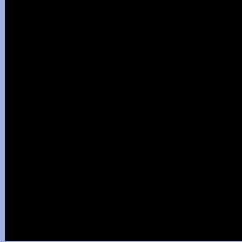
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

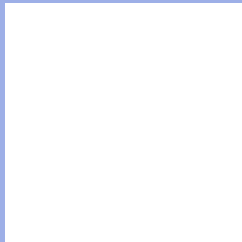
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 30.825, 282.466

Background



This preview shows how black text looks on a background with the CIELCh color 72, 30.825, 282.466.



This preview shows how white text looks on a background with the CIELCh color 72, 30.825, 282.466.

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

72, 30.825, 282.466

Protanopia

72, 30.657, 285.324

Deuteranopia

72, 31.676, 287.419



Tritanopia
72, 13.420, 233.467

Trichromacy



Original Color
72, 30.825, 282.466

Protanomaly
72, 30.692, 284.750

Deuteranomaly
72, 31.192, 285.527

Tritanomaly
72, 18.356, 262.439

Monochromacy



Original Color
72, 30.825, 282.466

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 11.119, 278.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 30.825, 282.466 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(157, 175, 231)` looks like.

```
.text, #text, p{  
    color:rgb(157, 175, 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(157, 175, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 175, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 30.825, 282.466 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(157, 175, 231) }
```

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

```
.border{ border-color:rgb(157, 175, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 175, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 175, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 175, 231);  
box-shadow:4px 4px 4px 4px rgb(157, 175,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 30.825, 282.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 175, 231) }
```

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

```
.background{ background-color: rgb(157,  
175, 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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