

Converting Colors

CIELCh(72, 21.328, 259.810)

Have a look what the booklet for
CIELCh(72, 21.328, 259.810)
contains.

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Color

CIELCh(72, 21.312, 259.781)

Conversions

Conversions Part 1

Format	Color
Hex	91B4D6
RGB	145, 180, 214
RGB Percent	57%, 71%, 84%
CMY	0.4303, 0.2931, 0.1597
CMYK	0.32, 0.16, 0.00, 0.16
HSL	210°, 46%, 70%
HSV	210°, 32%, 84%
XYZ	40.2680, 43.6590, 70.1023
YIQ	173.4110, -31.7740, 3.1540

Conversions

Conversions Part 2

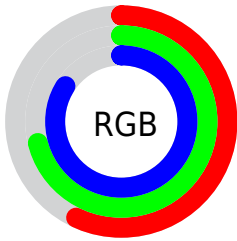
Format	Color
RYB	145, 168, 214
Decimal	9549014
CIELab	72.00, -3.78, -20.97
CIELCh	72, 21.312, 259.781
Yxy	43.6590, 0.2614, 0.2834
Android (android.graphics.Color)	4287739094 (0xFF91B4D6)
YUV	173.4110, 20.0104, -24.9164
Hunter-Lab	66.0750, -6.8481, -16.6513

Details

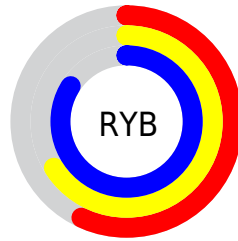
The CIELCh color **72, 21.312, 259.781** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75, 23.410, 70.662**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 15.135, 239.583**, and **52, 21.341, 260.070** is the 20% darker color. If you saturate the color by 10%, you get **68, 27.685, 262.050**, and if you desaturate by 10%, it is **76, 14.805, 257.879**.

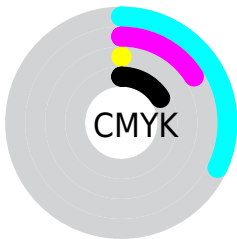
Distribution



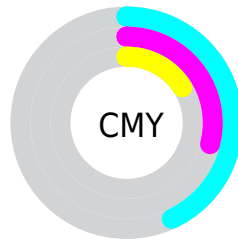
- Red (57%)
- Green (71%)
- Blue (84%)



- Red (57%)
- Yellow (66%)
- Blue (84%)



- Cyan (32%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)





- Cyan (43%)
- Magenta (29%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 21.312, 259.781 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, 21.312, 259.781 by changing the saturation by 10% instead.


 72, 21.312,
259.781


 72, 21.312,
259.781


 100, 21.312,
259.781


 62, 21.312,
259.781


 92, 21.312,
259.781


 52, 21.312,
259.781

 42, 21.312,
259.781

 32, 21.312,
259.781

 22, 21.312,
259.781

 12, 21.312,
259.781

 2, 21.312, 259.781

0, 21.312, 259.781

72, 21.312,
259.781

72, 21.312,
259.781

68, 27.685,
262.050

76, 14.805,
257.879

64, 33.915,
264.753

80, 8.189, 256.299

60, 40.013,
267.939

85, 1.493, 255.164

89, 5.256, 73.682

56, 46.022,
271.630

93, 12.033, 72.748

52, 52.024,
275.792

96, 15.541, 93.218

99, 20.182,
107.780

49, 58.126,
280.303

■ 47, 63.033,
283.837

■ 99, 20.584,
108.619

Harmonies

Complementary

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



72, 21.312, 259.781



75, 23.410, 70.662

Rectangle

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



72, 21.312, 259.781



72, 21.312, 309.781



72, 21.312, 79.781



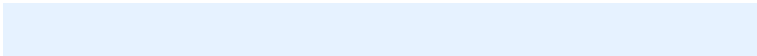
72, 21.312, 129.781

Sweetspot

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



72, 21.311, 259.779



95, 7.736, 256.005



80, 31.125, 159.761



50, 5.274, 256.201



0, 0.000, 0.000



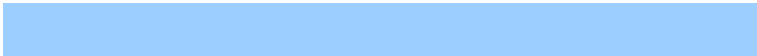
53, 0.007, 296.813

Same Dimension

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



72, 21.311, 259.779



81, 29.538, 261.368



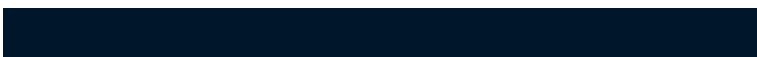
63, 37.987, 293.598



43, 3.813, 255.914



37, 52.431, 283.068



7, 17.017, 272.207

Inverse Universe

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



68, 32.088, 346.281



76, 44.705, 347.137



84, 35.179, 106.351



42, 5.557, 344.002



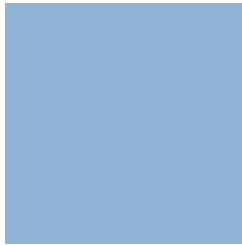
37, 62.886, 1.051



5, 23.603, 353.781

Previews

White Background



This preview shows how the CIELCh color 72, 21.312, 259.781 looks on a white background.

Color Contrast Check

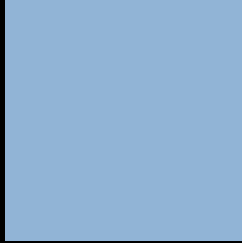
Large Text (above 18pt) WCAG AA × Fail

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, 21.312, 259.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

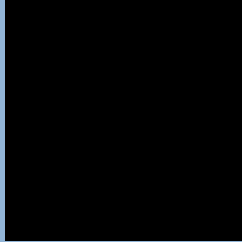
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

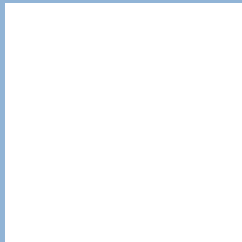
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 21.312, 259.781

Background



This preview shows how black text looks on a background with the CIELCh color 72, 21.312, 259.781.



This preview shows how white text looks on a background with the CIELCh color 72, 21.312, 259.781.

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, 21.312, 259.781

Protanopia

72, 19.663, 287.105

Deuteranopia

72, 24.022, 293.288



Tritanopia
72, 16.034, 229.287

Trichromacy



Original Color
72, 21.312, 259.781

Protanomaly
72, 20.172, 276.694

Deuteranomaly
72, 22.048, 281.832

Tritanomaly
72, 17.286, 242.815

Monochromacy



Original Color
72, 21.312, 259.781

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 8.197, 259.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 21.312, 259.781 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(145, 180, 214)` looks like.

```
.text, #text, p{  
    color:rgb(145, 180, 214)  
}
```

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(145, 180, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 180, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 21.312, 259.781 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(145, 180, 214) }
```

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

```
.border{ border-color:rgb(145, 180, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 180, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 180, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 180, 214);  
box-shadow:4px 4px 4px 4px rgb(145, 180,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 21.312, 259.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 180, 214) }
```

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

```
.background{ background-color: rgb(145,  
180, 214) }
```

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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