

Converting Colors

CIELCh(72, 31.327, 229.208)

Have a look what the booklet for
CIELCh(72, 31.327, 229.208)
contains.

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Color

CIELCh(72, 31.428, 229.284)

Conversions

Conversions Part 1

Format	Color
Hex	59BDD8
RGB	89, 189, 219
RGB Percent	35%, 74%, 86%
CMY	0.6507, 0.2586, 0.1410
CMYK	0.59, 0.14, 0.00, 0.14
HSL	194°, 64%, 60%
HSV	194°, 59%, 86%
XYZ	35.1253, 43.6590, 73.6268
YIQ	162.5200, -69.2300, -11.8700

Conversions

Conversions Part 2

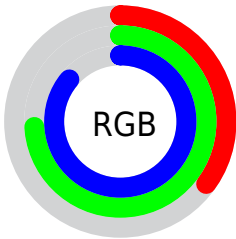
Format	Color
R_{YB}	89, 146, 219
Decimal	5881307
CIE Lab	72.00, -20.50, -23.82
CIE LCh	72, 31.428, 229.284
Yxy	43.6590, 0.2305, 0.2865
Android (android.graphics.Color)	4284071387 (0xFF59BDDDB)
YUV	162.5200, 27.8446, -64.4770
Hunter-Lab	66.0750, -20.7410, -19.8139

Details

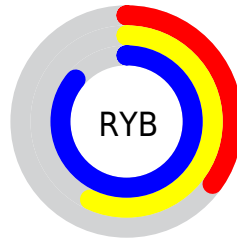
The CIELCh color **72, 31.428, 229.284** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **61, 49.474, 42.935**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 29.288, 207.932**, and **52, 31.299, 228.836** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.570, 231.641**, and if you desaturate by 10%, it is **74, 27.548, 227.440**.

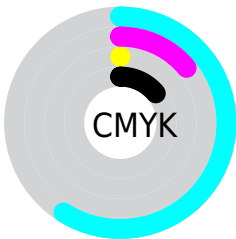
Distribution



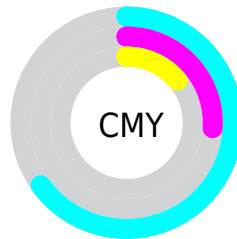
- Red (35%)
- Green (74%)
- Blue (86%)



- Red (35%)
- Yellow (57%)
- Blue (86%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)





- Cyan (65%)
- Magenta (26%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.428, 229.284 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, 31.428, 229.284 by changing the saturation by 10% instead.


 72, 31.428,
229.284


 72, 31.428,
229.284


 100, 31.428,
229.284


 62, 31.428,
229.284


 92, 31.428,
229.284

 52, 31.428,
229.284

 42, 31.428,
229.284

 32, 31.428,
229.284

 22, 31.428,
229.284

 12, 31.428,
229.284

 2, 31.428, 229.284

0, 31.428, 229.284

72, 31.428,
229.284

72, 31.428,
229.284

70, 34.570,
231.641

74, 27.548,
227.440

68, 36.978,
234.602

77, 22.983,
226.021

66, 38.727,
238.235

79, 17.810,
224.947

65, 40.023,
242.475

82, 12.122,
224.151

64, 40.109,
242.757

85, 6.013, 223.602

88, 0.430, 41.746

91, 7.131, 42.696

■ 93, 10.850, 49.477

■ 94, 10.965, 66.004

Harmonies

Complementary

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



72, 31.428, 229.284



61, 49.474, 42.935

Rectangle

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



72, 31.428, 229.284



72, 31.428, 279.284



72, 31.428, 49.284



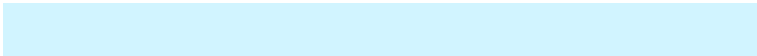
72, 31.428, 99.284

Sweetspot

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



72, 31.427, 229.283



94, 12.805, 224.073



79, 69.426, 145.323



49, 8.822, 224.272



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, 31.427, 229.283



80, 39.456, 232.256



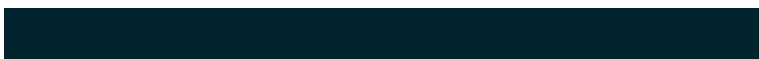
54, 53.837, 286.350



45, 3.657, 223.606



52, 33.581, 241.984



12, 13.160, 233.423

Inverse Universe

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



58, 68.051, 335.893



62, 87.139, 336.986



76, 51.539, 87.161



43, 6.813, 332.201



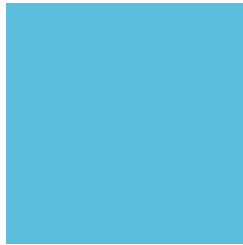
39, 72.520, 340.022



6, 29.379, 337.552

Previews

White Background



This preview shows how the CIELCh color 72, 31.428, 229.284 looks on a white background.

Color Contrast Check

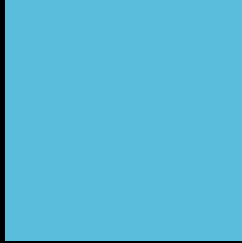
Large Text (above 18pt) WCAG AA × Fail

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, 31.428, 229.284 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, 31.428, 229.284

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.428, 229.284.



This preview shows how white text looks on a background with the CIELCh color 72, 31.428, 229.284.

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](#).

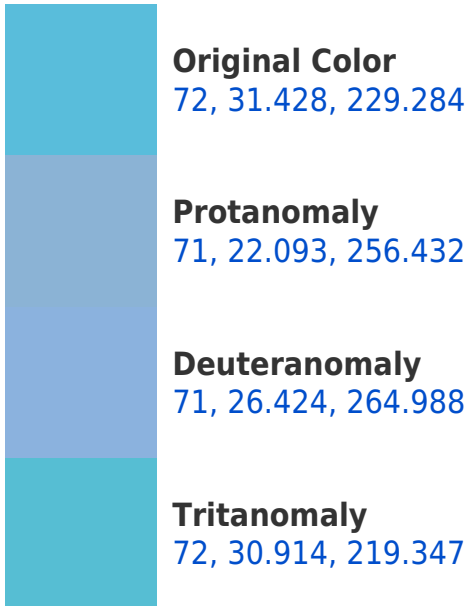
Dichromacy



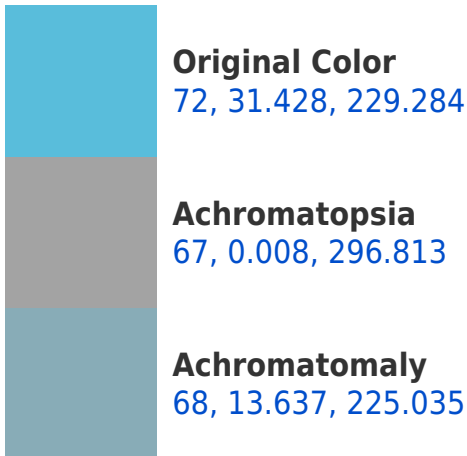


Tritanopia
72, 31.158, 213.682

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.428, 229.284 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(89, 189, 219)` looks like.

```
.text, #text, p{  
    color:rgb(89, 189, 219)  
}
```

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(89, 189, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 189, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.428, 229.284 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(89, 189, 219) }
```

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

```
.border{ border-color:rgb(89, 189, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 189, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 189, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 189, 219);  
box-shadow:4px 4px 4px 4px rgb(89, 189,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.428, 229.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 189, 219) }
```

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

```
.background{ background-color: rgb(89, 189,  
219) }
```

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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