

Converting Colors

CIELCh(72, 31.777, 222.629)

Have a look what the booklet for
CIELCh(72, 31.777, 222.629)
contains.

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Color

CIELCh(72, 31.832, 223.035)

Conversions

Conversions Part 1

Format	Color
Hex	53BED7
RGB	83, 190, 215
RGB Percent	33%, 75%, 84%
CMY	0.6737, 0.2543, 0.1562
CMYK	0.61, 0.12, 0.00, 0.16
HSL	191°, 62%, 59%
HSV	191°, 61%, 84%
XYZ	34.3191, 43.6590, 71.0192
YIQ	160.8570, -71.7970, -14.9090

Conversions

Conversions Part 2

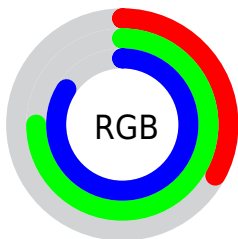
Format	Color
R _Y B	83, 142, 215
Decimal	5488343
CIE Lab	72.00, -23.27, -21.72
CIE LCh	72, 31.832, 223.035
Yxy	43.6590, 0.2303, 0.2930
Android (android.graphics.Color)	4283678423 (0xFF53BED7)
YUV	160.8570, 26.6925, -68.2806
Hunter-Lab	66.0750, -22.9189, -17.4741

Details

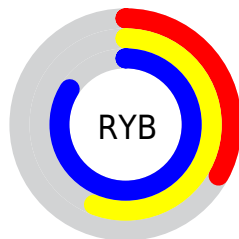
The CIELCh color **72, 31.832, 223.035** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **58, 51.932, 39.813**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 30.972, 205.288**, and **52, 30.771, 224.311** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.611, 224.991**, and if you desaturate by 10%, it is **74, 28.247, 221.529**.

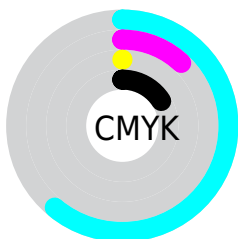
Distribution



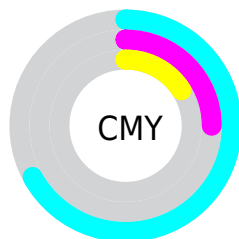
- Red (33%)
- Green (75%)
- Blue (84%)



- Red (33%)
- Yellow (56%)
- Blue (84%)



- Cyan (61%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)





- Cyan (67%)
- Magenta (25%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.832, 223.035 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, 31.832, 223.035 by changing the saturation by 10% instead.


 72, 31.832,
223.035


 72, 31.832,
223.035


 100, 31.832,
223.035


 62, 31.832,
223.035


 92, 31.832,
223.035

 52, 31.832,
223.035

 42, 31.832,
223.035

 32, 31.832,
223.035

 22, 31.832,
223.035

 12, 31.832,
223.035

 2, 31.832, 223.035

0, 31.832, 223.035

72, 31.832,
223.035

72, 31.832,
223.035

70, 34.611,
224.991

74, 28.247,
221.529

69, 36.587,
227.483

76, 23.911,
220.398

67, 37.831,
230.576

78, 18.907,
219.571

66, 38.505,
233.679

81, 13.334,
218.989

83, 7.294, 218.619

86, 0.881, 218.936

88, 5.819, 38.041

■ 91, 12.617, 38.207

■ 92, 12.086, 49.731

Harmonies

Complementary

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



72, 31.832, 223.035



58, 51.932, 39.813

Rectangle

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



72, 31.832, 223.035



72, 31.832, 273.035



72, 31.832, 43.035



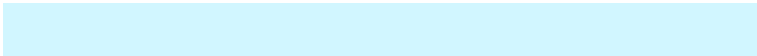
72, 31.832, 93.035

Sweetspot

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



72, 31.831, 223.034



95, 13.040, 218.849



77, 72.140, 143.989



50, 8.979, 218.978



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, 31.831, 223.034



81, 40.205, 225.770



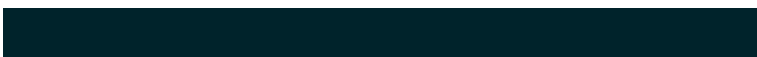
53, 52.416, 284.699



44, 3.657, 218.575



53, 32.389, 233.025



12, 12.655, 225.527

Inverse Universe

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



56, 70.747, 334.268



62, 91.721, 335.299



73, 51.351, 84.210



42, 6.881, 330.715



39, 73.944, 337.456



6, 28.667, 335.380

Previews

White Background



This preview shows how the CIELCh color 72, 31.832, 223.035 looks on a white background.

Color Contrast Check

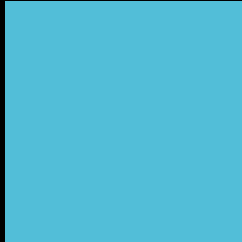
Large Text (above 18pt) WCAG AA × Fail

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, 31.832, 223.035 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, 31.832, 223.035

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.832, 223.035.



This preview shows how white text looks on a background with the CIELCh color 72, 31.832, 223.035.

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, 31.832, 223.035

Protanopia

72, 16.391, 286.917

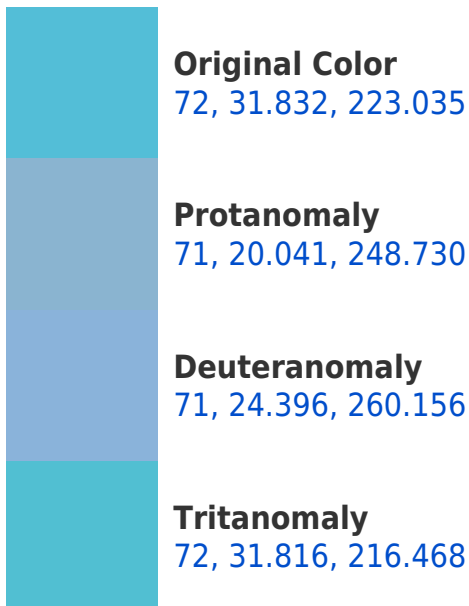
Deuteranopia

72, 25.643, 291.155

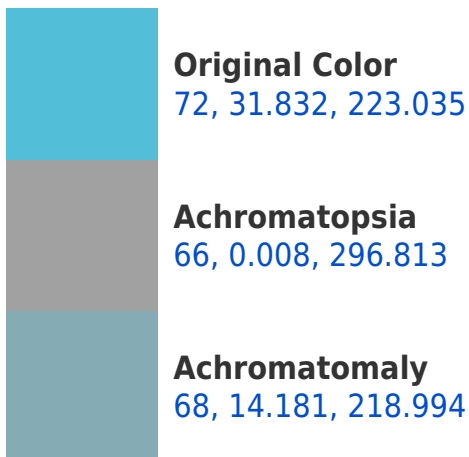


Tritanopia
72, 32.199, 212.028

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.832, 223.035 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(83, 190, 215)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 215)  
}
```

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(83, 190, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.832, 223.035 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(83, 190, 215) }
```

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

```
.border{ border-color:rgb(83, 190, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 190, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 215);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.832, 223.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 215) }
```

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

```
.background{ background-color: rgb(83, 190,  
215) }
```

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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