

Converting Colors

CIELCh(72, 36.630, 230.079)

Have a look what the booklet for
CIELCh(72, 36.630, 230.079)
contains.

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Color

CIELCh(72, 36.697, 230.054)

Conversions

Conversions Part 1

Format	Color
Hex	3BBFE3
RGB	59, 191, 227
RGB Percent	23%, 75%, 89%
CMY	0.7695, 0.2515, 0.1104
CMYK	0.74, 0.16, 0.00, 0.11
HSL	193°, 75%, 56%
HSV	193°, 74%, 89%
XYZ	34.2340, 43.6590, 79.1879
YIQ	155.6360, -90.2280, -16.7880

Conversions

Conversions Part 2

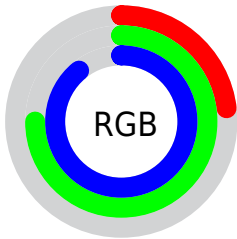
Format	Color
RYB	59, 133, 227
Decimal	3915747
CIELab	72.00, -23.56, -28.13
CIELCh	72, 36.697, 230.054
Yxy	43.6590, 0.2179, 0.2779
Android (android.graphics.Color)	4282105827 (0xFF3BBFE3)
YUV	155.6360, 35.1825, -84.7498
Hunter-Lab	66.0750, -23.1489, -24.8039

Details

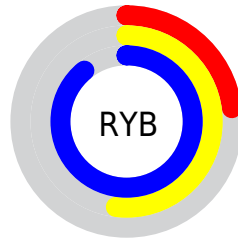
The CIELCh color **72, 36.697, 230.054** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **57, 67.233, 42.714**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 34.590, 203.382**, and **53, 32.748, 236.096** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.686, 233.109**, and if you desaturate by 10%, it is **74, 33.934, 227.613**.

Distribution



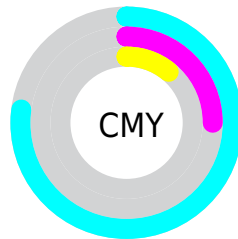
- Red (23%)
- Green (75%)
- Blue (89%)



- Red (23%)
- Yellow (52%)
- Blue (89%)



- Cyan (74%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)





- Cyan (77%)
- Magenta (25%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.697, 230.054 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, 36.697, 230.054 by changing the saturation by 10% instead.


 72, 36.697,
230.054


 72, 36.697,
230.054


 100, 36.697,
230.054


 62, 36.697,
230.054


 92, 36.697,
230.054

 52, 36.697,
230.054

 42, 36.697,
230.054

 32, 36.697,
230.054

 22, 36.697,
230.054

 12, 36.697,
230.054

 2, 36.697, 230.054

0, 36.697, 230.054

72, 36.697,
230.054

72, 36.697,
230.054

70, 38.686,
233.109

74, 33.934,
227.613

69, 40.017,
236.830

76, 30.371,
225.705

68, 40.634,
239.258

78, 26.041,
224.239

81, 21.017,
223.134

83, 15.395,
222.319

86, 9.277, 221.746

■ 89, 2.760, 221.476

■ 92, 4.069, 40.831

■ 94, 8.428, 47.766

Harmonies

Complementary

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



72, 36.697, 230.054



57, 67.233, 42.714

Rectangle

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



72, 36.697, 230.054



72, 36.697, 280.054



72, 36.697, 50.054



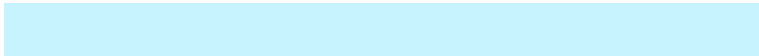
72, 36.697, 100.054

Sweetspot

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



72, 36.696, 230.054



93, 15.558, 222.190



80, 86.574, 142.518



49, 10.362, 222.374



0, 0.000, 0.000



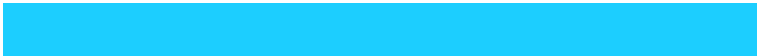
53, 0.007, 296.813

Same Dimension

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



72, 36.696, 230.054



77, 43.137, 235.069



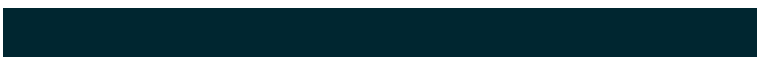
49, 68.878, 289.958



46, 3.752, 221.561



53, 33.522, 238.482



13, 13.562, 230.909

Inverse Universe

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



55, 82.341, 336.429



59, 96.770, 337.976



75, 64.212, 83.571



44, 7.026, 331.595



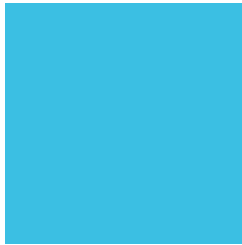
40, 74.181, 338.985



7, 31.081, 336.879

Previews

White Background



This preview shows how the CIELCh color 72, 36.697, 230.054 looks on a white background.

Color Contrast Check

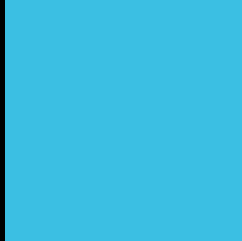
Large Text (above 18pt) WCAG AA × Fail

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, 36.697, 230.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

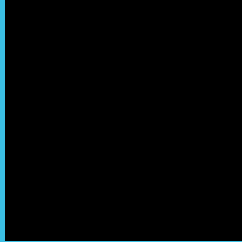
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 36.697, 230.054

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.697, 230.054.



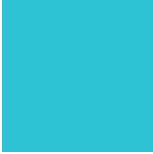
This preview shows how white text looks on a background with the CIELCh color 72, 36.697, 230.054.

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, 37.006, 210.630

Trichromacy



Original Color
72, 36.697, 230.054



Protanomaly
71, 26.411, 255.056



Deuteranomaly
71, 31.028, 261.113



Tritanomaly
72, 36.487, 217.339

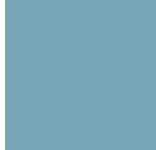
Monochromacy



Original Color
72, 36.697, 230.054



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.361, 222.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.697, 230.054 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(59, 191, 227)` looks like.

```
.text, #text, p{  
    color:rgb(59, 191, 227)  
}
```

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(59, 191, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 191, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.697, 230.054 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(59, 191, 227) }
```

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

```
.border{ border-color:rgb(59, 191, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 191, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 191, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 191, 227);  
box-shadow:4px 4px 4px 4px rgb(59, 191,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.697, 230.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 191, 227) }
```

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

```
.background{ background-color: rgb(59, 191,  
227) }
```

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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