

Converting Colors

CIELCh(72, 36.358, 224.207)

Have a look what the booklet for
CIELCh(72, 36.358, 224.207)
contains.

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Color

CIELCh(72, 36.404, 224.191)

Conversions

Conversions Part 1

Format	Color
Hex	37C0DE
RGB	55, 192, 222
RGB Percent	22%, 75%, 87%
CMY	0.7858, 0.2480, 0.1303
CMYK	0.75, 0.14, 0.00, 0.13
HSL	191°, 72%, 54%
HSV	191°, 75%, 87%
XYZ	33.5058, 43.6590, 75.6002
YIQ	154.4570, -91.2820, -19.7140

Conversions

Conversions Part 2

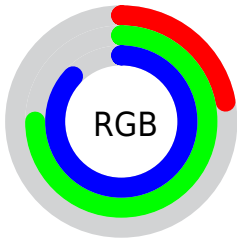
Format	Color
RYB	55, 130, 222
Decimal	3653854
CIELab	72.00, -26.10, -25.38
CIELCh	72, 36.404, 224.191
Yxy	43.6590, 0.2193, 0.2858
Android (android.graphics.Color)	4281843934 (0xFF37C0DE)
YUV	154.4570, 33.2987, -87.2238
Hunter-Lab	66.0750, -25.1161, -21.5847

Details

The CIELCh color **72, 36.404, 224.191** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **54, 68.590, 40.699**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 35.491, 202.319**, and **53, 31.731, 229.522** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.044, 226.768**, and if you desaturate by 10%, it is **74, 33.936, 222.154**.

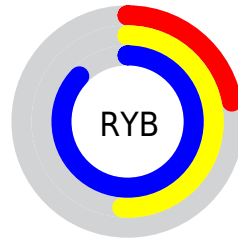
Distribution



Red (22%)

Green (75%)

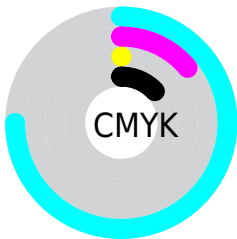
Blue (87%)



Red (22%)

Yellow (51%)

Blue (87%)

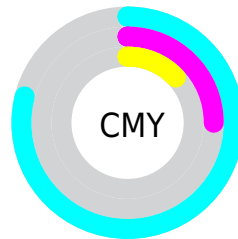


Cyan (75%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (79%)


Magenta (25%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.404, 224.191 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, 36.404, 224.191 by changing the saturation by 10% instead.


 72, 36.404,
224.191


 72, 36.404,
224.191


 100, 36.404,
224.191


 62, 36.404,
224.191


 92, 36.404,
224.191

 52, 36.404,
224.191

 42, 36.404,
224.191

 32, 36.404,
224.191

 22, 36.404,
224.191

 12, 36.404,
224.191

 2, 36.404, 224.191

■ 0, 36.404, 224.191

■ 72, 36.404,
224.191

■ 72, 36.404,
224.191

■ 70, 38.044,
226.768

■ 74, 33.936,
222.154

■ 69, 38.967,
229.940

■ 76, 30.618,
220.584

■ 69, 39.269,
231.544

■ 78, 26.486,
219.402

■ 80, 21.618,
218.536

■ 82, 16.112,
217.927

■ 84, 10.076,
217.530

■ 87, 3.612, 217.372

■ 90, 3.186, 36.882

■ 92, 10.237, 36.964

Harmonies

Complementary

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



72, 36.404, 224.191



54, 68.590, 40.699

Rectangle

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



72, 36.404, 224.191



72, 36.404, 274.191



72, 36.404, 44.191



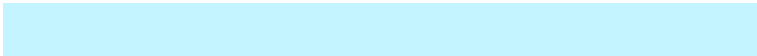
72, 36.404, 94.191

Sweetspot

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



72, 36.403, 224.190



93, 16.486, 217.823



78, 88.045, 141.373



49, 11.267, 218.001



0, 0.000, 0.000



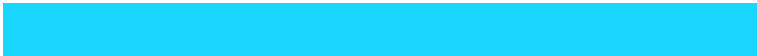
53, 0.007, 296.813

Same Dimension

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



72, 36.403, 224.190



79, 42.913, 228.387



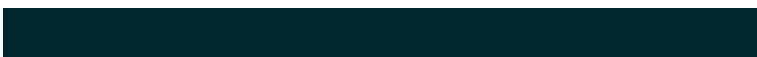
49, 65.454, 288.193



45, 3.750, 217.393



55, 32.659, 230.895



13, 13.115, 224.207

Inverse Universe

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



54, 83.566, 334.903



59, 99.391, 336.179



72, 63.045, 80.562



43, 7.066, 330.371



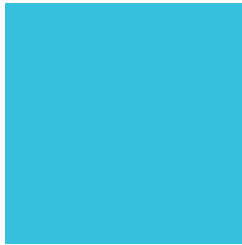
39, 75.309, 336.884



6, 30.457, 335.097

Previews

White Background



This preview shows how the CIE LCh color 72, 36.404, 224.191 looks on a white background.

Color Contrast Check

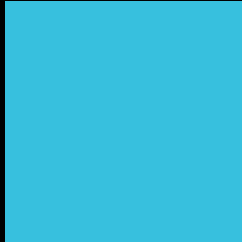
Large Text (above 18pt) WCAG AA × Fail

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, 36.404, 224.191 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, 36.404, 224.191

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.404, 224.191.

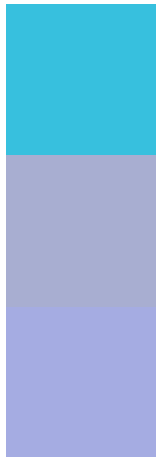


This preview shows how white text looks on a background with the CIELCh color 72, 36.404, 224.191.

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

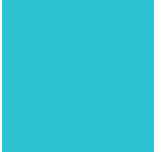
72, 36.404, 224.191

Protanopia

72, 19.147, 285.892

Deuteranopia

72, 29.489, 288.593



Tritanopia
72, 37.098, 210.589

Trichromacy



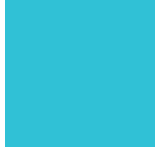
Original Color
72, 36.404, 224.191



Protanomaly
71, 24.246, 248.982



Deuteranomaly
71, 28.757, 258.071



Tritanomaly
72, 36.599, 215.400

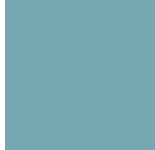
Monochromacy



Original Color
72, 36.404, 224.191



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.622, 218.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.404, 224.191 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(55, 192, 222)` looks like.

```
.text, #text, p{  
    color:rgb(55, 192, 222)  
}
```

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(55, 192, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 192, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.404, 224.191 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(55, 192, 222) }
```

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

```
.border{ border-color:rgb(55, 192, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 192, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 192, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 192, 222);  
box-shadow:4px 4px 4px 4px rgb(55, 192,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.404, 224.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 192, 222) }
```

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

```
.background{ background-color: rgb(55, 192,  
222) }
```

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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