

Converting Colors

CIELCh(72, 42.548, 240.781)

Have a look what the booklet for
CIELCh(72, 42.548, 240.781)
contains.

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Color

CIELCh(72, 42.507, 240.883)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 16BEF3 |
| RGB | 22, 190, 243 |
| RGB Percent | 9%, 75%, 95% |
| CMY | 0.9119, 0.2534, 0.0455 |
| CMYK | 0.91, 0.22, 0.00, 0.05 |
| HSL | 194°, 90%, 52% |
| HSV | 194°, 91%, 95% |
| XYZ | 35.0716, 43.6590, 91.6824 |
| YIQ | 145.8100, -117.1410, -19.1330 |

Conversions

Conversions Part 2

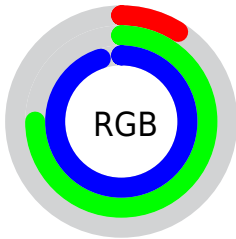
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 22, 117, 243 |
| Decimal | 1490675 |
| CIE Lab | 72.00, -20.68, -37.14 |
| CIE LCh | 72, 42.507, 240.883 |
| Yxy | 43.6590, 0.2058, 0.2562 |
| Android (android.graphics.Color) | 4279680755 (0xFF16BEF3) |
| YUV | 145.8100, 47.9147, -108.5814 |
| Hunter-Lab | 66.0750, -20.8860, -36.0155 |

Details

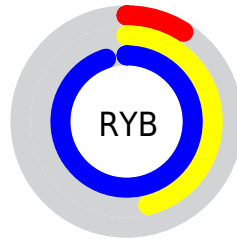
The CIELCh color **72, 42.507, 240.883** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **56, 87.741, 44.929**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.884, 204.527**, and **53, 37.014, 249.836** is the 20% darker color. If you saturate the color by 10%, you get **70, 43.887, 245.024**, and if you desaturate by 10%, it is **74, 40.610, 236.965**.

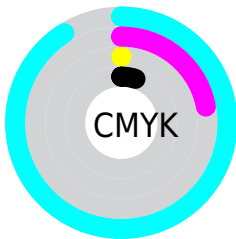
Distribution



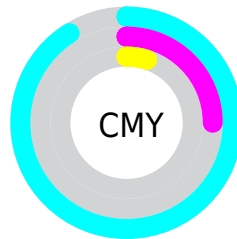
- Red (9%)
- Green (75%)
- Blue (95%)



- Red (9%)
- Yellow (46%)
- Blue (95%)



- Cyan (91%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)




- Cyan (91%)
- Magenta (25%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 42.507, 240.883 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, 42.507, 240.883 by changing the saturation by 10% instead.


 72, 42.507,
240.883


 72, 42.507,
240.883


 100, 42.507,
240.883


 62, 42.507,
240.883


 92, 42.507,
240.883

 52, 42.507,
240.883

 42, 42.507,
240.883

 32, 42.507,
240.883

 22, 42.507,
240.883

 12, 42.507,
240.883

 2, 42.507, 240.883

0, 42.507, 240.883

72, 42.507,
240.883

72, 42.507,
240.883

70, 43.887,
245.024

74, 40.610,
236.965

76, 38.048,
233.742

78, 34.715,
231.160

81, 30.591,
229.130

84, 25.720,
227.558

86, 20.181,
226.358

■ 89, 14.073,
225.459

■ 93, 7.498, 224.817

■ 96, 0.550, 225.354

Harmonies

Complementary

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



72, 42.507, 240.883



56, 87.741, 44.929

Rectangle

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



72, 42.507, 240.883



72, 42.507, 290.883



72, 42.507, 60.883



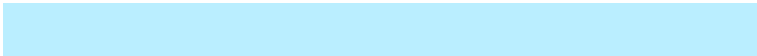
72, 42.507, 110.883

Sweetspot

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



72, 42.506, 240.883



91, 18.627, 225.994



84, 102.389, 140.569



48, 12.405, 226.330



0, 0.000, 0.000



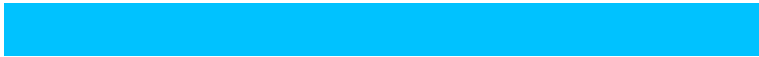
53, 0.007, 296.813

Same Dimension

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



72, 42.506, 240.883



73, 45.492, 245.150



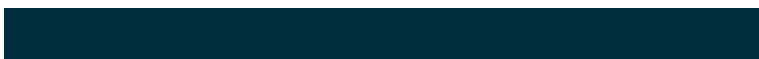
42, 95.841, 297.595



50, 3.988, 224.755



55, 35.741, 244.181



16, 15.491, 237.387

Inverse Universe

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



56, 92.028, 339.664



57, 95.805, 341.007



78, 78.353, 83.375



48, 7.409, 332.551



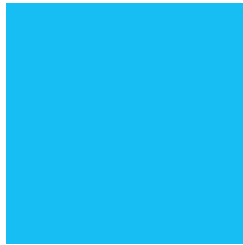
42, 75.876, 340.700



10, 34.519, 338.670

Previews

White Background



This preview shows how the CIE LCh color 72, 42.507, 240.883 looks on a white background.

Color Contrast Check

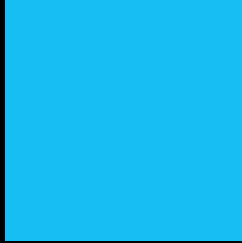
Large Text (above 18pt) WCAG AA × Fail

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, 42.507, 240.883 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, 42.507, 240.883

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.507, 240.883.



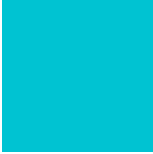
This preview shows how white text looks on a background with the CIELCh color 72, 42.507, 240.883.

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, 39.528, 208.734

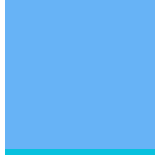
Trichromacy



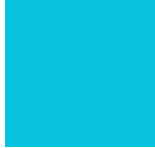
Original Color
72, 42.476, 240.924



Protanomaly
71, 35.207, 259.787



Deuteranomaly
71, 40.635, 263.901



Tritanomaly
72, 39.257, 220.989

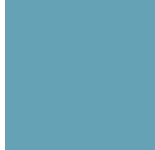
Monochromacy



Original Color
72, 42.476, 240.924



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 21.680, 227.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.507, 240.883 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(22, 190, 243)` looks like.

```
.text, #text, p{  
    color:rgb(22, 190, 243)  
}
```

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(22, 190, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 190, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.507, 240.883 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(22, 190, 243) }
```

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

```
.border{ border-color:rgb(22, 190, 243) }
```

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

Here you see how a box with a 4 pixel rgb(22, 190, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 190, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 190, 243);  
box-shadow:4px 4px 4px 4px rgb(22, 190,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.507, 240.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 190, 243) }
```

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

```
.background{ background-color: rgb(22, 190,  
243) }
```

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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