

Converting Colors

CIELCh(72, 44.460, 247.665)

Have a look what the booklet for
CIELCh(72, 44.460, 247.665)
contains.

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Color

CIELCh(72, 44.512, 247.792)

Conversions

Conversions Part 1

Format	Color
Hex	21BDFB
RGB	33, 189, 251
RGB Percent	13%, 74%, 98%
CMY	0.8710, 0.2590, 0.0159
CMYK	0.87, 0.25, 0.00, 0.02
HSL	197°, 96%, 56%
HSV	197°, 87%, 98%
XYZ	36.2162, 43.6590, 97.7456
YIQ	149.4240, -112.8780, -13.7900

Conversions

Conversions Part 2

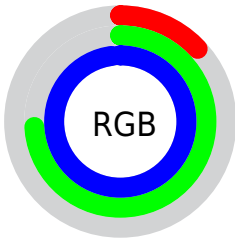
Format	Color
RYB	33, 124, 251
Decimal	2211323
CIELab	72.00, -16.82, -41.21
CIELCh	72, 44.512, 247.792
Yxy	43.6590, 0.2039, 0.2458
Android (android.graphics.Color)	4280401403 (0xFF21BDFB)
YUV	149.4240, 50.0770, -102.1038
Hunter-Lab	66.0750, -17.7941, -41.4560

Details

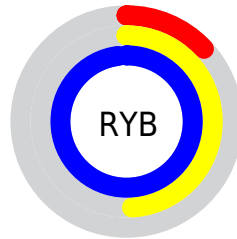
The CIELCh color **72, 44.512, 247.792** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **61, 84.310, 47.419**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.668, 205.711**, and **53, 39.861, 256.112** is the 20% darker color. If you saturate the color by 10%, you get **70, 46.884, 252.624**, and if you desaturate by 10%, it is **74, 41.736, 243.627**.

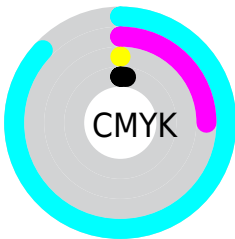
Distribution



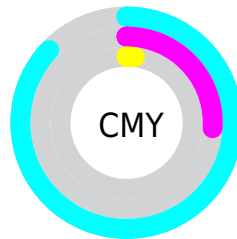
- Red (13%)
- Green (74%)
- Blue (98%)



- Red (13%)
- Yellow (49%)
- Blue (98%)



- Cyan (87%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)





- Cyan (87%)
- Magenta (26%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 44.512, 247.792 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, 44.512, 247.792 by changing the saturation by 10% instead.


 72, 44.512,
247.792


 72, 44.512,
247.792


 100, 44.512,
247.792


 62, 44.512,
247.792


 92, 44.512,
247.792


 52, 44.512,
247.792

 42, 44.512,
247.792

 32, 44.512,
247.792

 22, 44.512,
247.792

 12, 44.512,
247.792

 2, 44.512, 247.792

■ 0, 44.512, 247.792

■ 72, 44.512,
247.792

■ 72, 44.512,
247.792

■ 70, 46.884,
252.624

■ 74, 41.736,
243.627

■ 69, 47.618,
254.173

■ 77, 38.372,
240.169

■ 80, 34.325,
237.368

■ 83, 29.582,
235.138

■ 86, 24.187,
233.382

■ 89, 18.216,
232.013

■ 93, 11.760,
230.959

■ 96, 4.909, 230.200

■ 99, 1.281, 80.002

Harmonies

Complementary

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



72, 44.512, 247.792



61, 84.310, 47.419

Rectangle

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



72, 44.512, 247.792



72, 44.512, 297.792



72, 44.512, 67.792



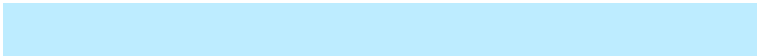
72, 44.512, 117.792

Sweetspot

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



72, 44.511, 247.793



91, 17.891, 231.910



87, 98.706, 142.757



47, 12.000, 232.336



0, 0.000, 0.000



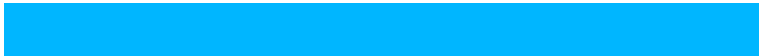
53, 0.007, 296.813

Same Dimension

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



72, 44.511, 247.793



70, 48.216, 254.219



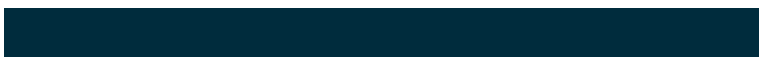
43, 100.445, 298.719



50, 4.014, 230.363



53, 38.154, 253.216



16, 16.486, 246.012

Inverse Universe

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



57, 90.718, 341.838



57, 92.908, 344.150



84, 80.446, 88.222



49, 7.301, 334.272



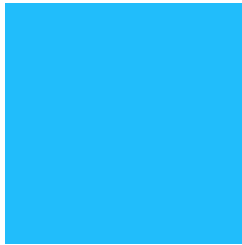
42, 74.341, 343.774



10, 34.465, 341.283

Previews

White Background



This preview shows how the CIELCh color 72, 44.512, 247.792 looks on a white background.

Color Contrast Check

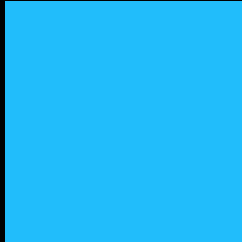
Large Text (above 18pt) WCAG AA × Fail

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, 44.512, 247.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

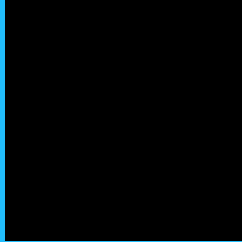
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

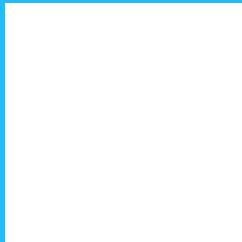
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 44.512, 247.792

Background



This preview shows how black text looks on a background with the CIELCh color 72, 44.512, 247.792.

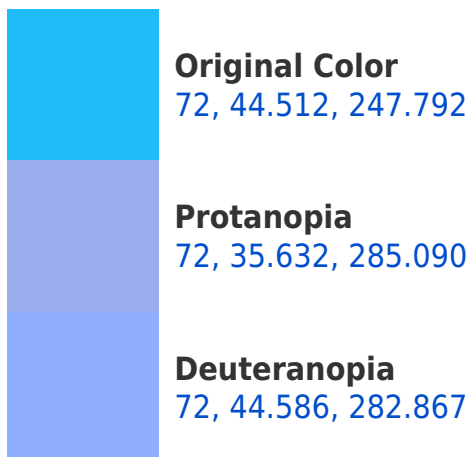


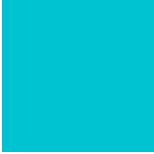
This preview shows how white text looks on a background with the CIELCh color 72, 44.512, 247.792.

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



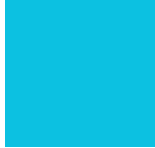
Original Color
72, 44.512, 247.792



Protanomaly
71, 38.587, 264.596



Deuteranomaly
71, 44.231, 267.639



Tritanomaly
72, 39.416, 223.601

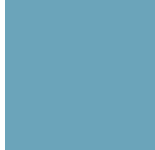
Monochromacy



Original Color
72, 44.512, 247.792



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 21.434, 233.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 44.512, 247.792 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(33, 189, 251)` looks like.

```
.text, #text, p{  
    color:rgb(33, 189, 251)  
}
```

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(33, 189, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 189, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 44.512, 247.792 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(33, 189, 251) }
```

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

```
.border{ border-color:rgb(33, 189, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 189, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 189, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 189, 251);  
box-shadow:4px 4px 4px 4px rgb(33, 189,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 44.512, 247.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 189, 251) }
```

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

```
.background{ background-color: rgb(33, 189,  
251) }
```

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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