

Converting Colors

CIELCh(72, 37.656, 242.200)

Have a look what the booklet for
CIELCh(72, 37.656, 242.200)
contains.

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Color

CIELCh(72, 37.500, 241.308)

Conversions

Conversions Part 1

Format	Color
Hex	48BDEC
RGB	72, 189, 236
RGB Percent	28%, 74%, 93%
CMY	0.7193, 0.2600, 0.0758
CMYK	0.70, 0.20, 0.00, 0.08
HSL	197°, 81%, 60%
HSV	197°, 70%, 92%
XYZ	35.8638, 43.6590, 85.6453
YIQ	159.3750, -84.8190, -10.1870

Conversions

Conversions Part 2

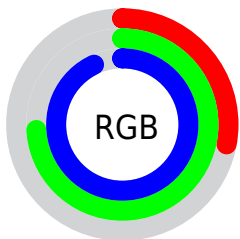
Format	Color
RYB	72, 140, 236
Decimal	4767212
CIELab	72.00, -18.00, -32.90
CIELCh	72, 37.500, 241.308
Yxy	43.6590, 0.2171, 0.2643
Android (android.graphics.Color)	4282957292 (0xFF48BDEC)
YUV	159.3750, 37.7761, -76.6279
Hunter-Lab	66.0750, -18.7461, -30.5983

Details

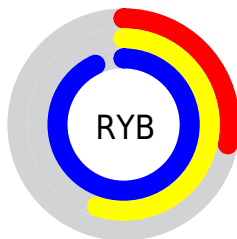
The CIELCh color **72, 37.500, 241.308** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **63, 62.125, 47.706**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.856, 206.949**, and **53, 34.998, 244.995** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.569, 244.946**, and if you desaturate by 10%, it is **75, 33.802, 238.342**.

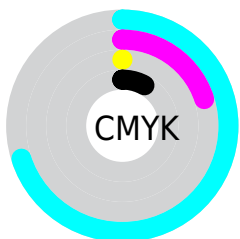
Distribution



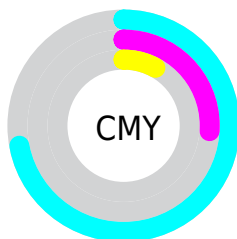
- Red (28%)
- Green (74%)
- Blue (93%)



- Red (28%)
- Yellow (55%)
- Blue (93%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (72%)
- Magenta (26%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.500, 241.308 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, 37.500, 241.308 by changing the saturation by 10% instead.


 72, 37.500,
241.308

 72, 37.500,
241.308


 100, 37.500,
241.308


 62, 37.500,
241.308


 92, 37.500,
241.308

 52, 37.500,
241.308

 42, 37.500,
241.308

 32, 37.500,
241.308

 22, 37.500,
241.308

 12, 37.500,
241.308

 2, 37.500, 241.308

■ 0, 37.500, 241.308

■ 72, 37.500,
241.308

■ 72, 37.500,
241.308

■ 70, 40.569,
244.946

■ 75, 33.802,
238.342

■ 67, 43.122,
249.287

■ 77, 29.448,
235.967

■ 65, 45.392,
254.191

■ 80, 24.467,
234.089

■ 65, 45.480,
254.373

■ 83, 18.923,
232.619

■ 87, 12.899,
231.479

■ 90, 6.480, 230.626

■ 93, 0.251, 47.535

■ 96, 5.673, 58.489

■ 98, 7.251, 93.580

Harmonies

Complementary

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



72, 37.500, 241.308



63, 62.125, 47.706

Rectangle

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



72, 37.500, 241.308



72, 37.500, 291.308



72, 37.500, 61.308



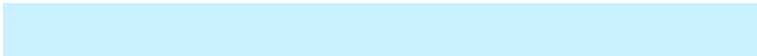
72, 37.500, 111.308

Sweetspot

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



72, 37.499, 241.308



92, 14.654, 231.627



83, 80.010, 145.942



48, 9.843, 231.925



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, 37.499, 241.308



74, 44.402, 246.913



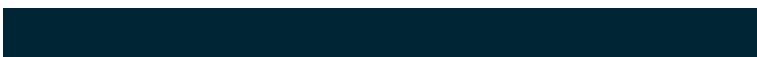
49, 74.790, 293.312



47, 3.811, 230.614



51, 37.061, 253.443



14, 15.054, 245.024

Inverse Universe

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



58, 78.046, 339.601



59, 90.888, 341.532



82, 65.963, 90.710



46, 6.922, 334.348



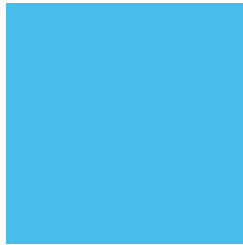
40, 72.032, 343.859



8, 31.737, 340.966

Previews

White Background



This preview shows how the CIELCh color 72, 37.500, 241.308 looks on a white background.

Color Contrast Check

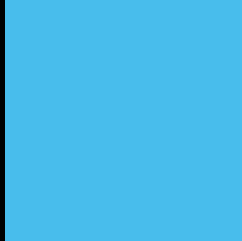
Large Text (above 18pt) WCAG AA × Fail

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, 37.500, 241.308 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

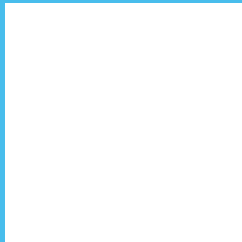
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 37.500, 241.308

Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.500, 241.308.

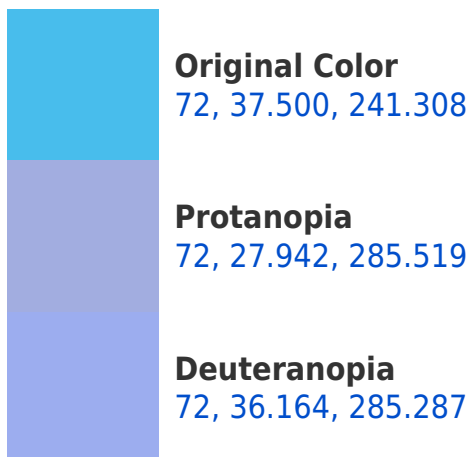


This preview shows how white text looks on a background with the CIELCh color 72, 37.500, 241.308.

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, 35.906, 211.138

Trichromacy



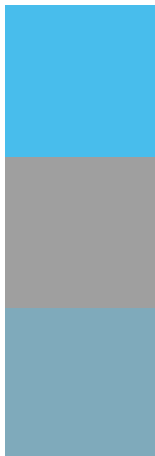
Original Color
72, 37.500, 241.308

Protanomaly
71, 29.991, 262.638

Deuteranomaly
71, 34.980, 266.720

Tritanomaly
72, 35.488, 222.986

Monochromacy



Original Color
72, 37.500, 241.308

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 16.872, 232.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 37.500, 241.308 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(72, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(72, 189, 236)  
}
```

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(72, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 189, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 37.500, 241.308 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(72, 189, 236) }
```

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

```
.border{ border-color:rgb(72, 189, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 189, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 189, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 189, 236);  
box-shadow:4px 4px 4px 4px rgb(72, 189,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 37.500, 241.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 189, 236) }
```

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

```
.background{ background-color: rgb(72, 189,  
236) }
```

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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