

Converting Colors

CIELCh(72, 30.469, 238.423)

Have a look what the booklet for
CIELCh(72, 30.469, 238.423)
contains.

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Color

CIELCh(72, 30.469, 238.423)

Conversions

Conversions Part 1

Format	Color
Hex	65BBDF
RGB	101, 187, 223
RGB Percent	40%, 73%, 87%
CMY	0.6037, 0.2665, 0.1253
CMYK	0.55, 0.16, 0.00, 0.13
HSL	198°, 66%, 64%
HSV	198°, 55%, 87%
XYZ	36.4774, 43.6590, 76.3482
YIQ	165.3900, -62.8120, -7.0360

Conversions

Conversions Part 2

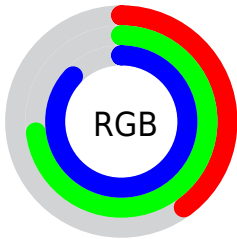
Format	Color
RYB	101, 151, 223
Decimal	6667231
CIELab	72.00, -15.95, -25.96
CIELCh	72, 30.469, 238.423
Yxy	43.6590, 0.2331, 0.2790
Android (android.graphics.Color)	4284857311 (0xFF65BBDF)
YUV	165.3900, 28.4017, -56.4700
Hunter-Lab	66.0750, -17.0885, -22.2559

Details

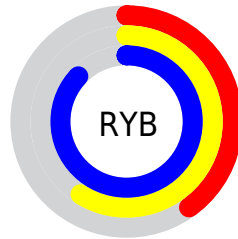
The CIELCh color **72, 30.469, 238.423** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **65, 44.159, 48.502**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 26.122, 211.759**, and **52, 30.546, 238.327** is the 20% darker color. If you saturate the color by 10%, you get **69, 34.392, 241.137**, and if you desaturate by 10%, it is **75, 25.946, 236.254**.

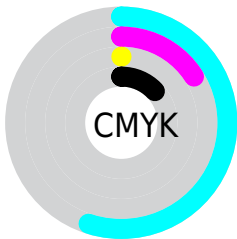
Distribution



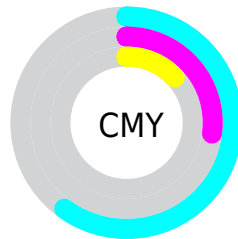
- Red (40%)
- Green (73%)
- Blue (87%)



- Red (40%)
- Yellow (59%)
- Blue (87%)



- Cyan (55%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 30.469, 238.423 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, 30.469, 238.423 by changing the saturation by 10% instead.

■ 72, 30.469,
238.423

■ 72, 30.469,
238.423

■ 100, 30.469,
238.423

■ 62, 30.469,
238.423

■ 92, 30.469,
238.423

■ 52, 30.469,
238.423

■ 42, 30.469,
238.423

■ 32, 30.469,
238.423

■ 22, 30.469,
238.423

■ 12, 30.469,
238.423

■ 2, 30.469, 238.423

■ 0, 30.469, 238.423

■ 72, 30.469,
238.423

■ 72, 30.469,
238.423

■ 69, 34.392,
241.137

■ 75, 25.946,
236.254

■ 67, 37.718,
244.486

■ 78, 20.870,
234.541

■ 64, 40.513,
248.527

■ 81, 15.310,
233.198

■ 62, 42.924,
253.240

■ 84, 9.344, 232.160

■ 61, 44.167,
255.876

■ 87, 3.050, 231.452

■ 91, 3.500, 50.465

■ 94, 9.546, 52.499

■ 95, 10.188, 76.076

■ 97, 12.241, 94.130

Harmonies

Complementary

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



72, 30.469, 238.423



65, 44.159, 48.502

Rectangle

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



72, 30.469, 238.423



72, 30.469, 288.423



72, 30.469, 58.423



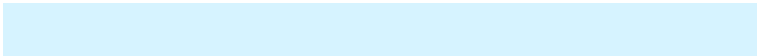
72, 30.469, 108.423

Sweetspot

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



72, 30.468, 238.422



94, 11.304, 232.291



80, 62.289, 148.277



49, 7.594, 232.491



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, 30.468, 238.422



78, 38.763, 241.691



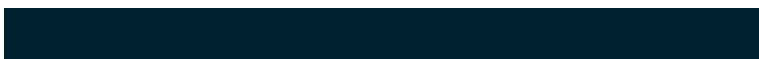
55, 54.777, 289.068



45, 3.672, 231.731



49, 36.730, 254.999



12, 14.169, 245.461

Inverse Universe

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



60, 61.921, 338.426



64, 79.746, 339.671



80, 50.786, 92.696



44, 6.631, 334.699



39, 70.149, 344.448



7, 29.472, 341.134

Previews

White Background



This preview shows how the CIELCh color 72, 30.469, 238.423 looks on a white background.

Color Contrast Check

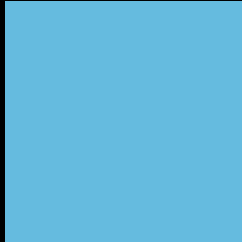
Large Text (above 18pt) WCAG AA × Fail

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, 30.469, 238.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

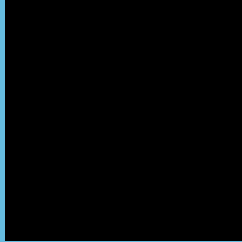
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 30.469, 238.423

Background



This preview shows how black text looks on a background with the CIELCh color 72, 30.469, 238.423.

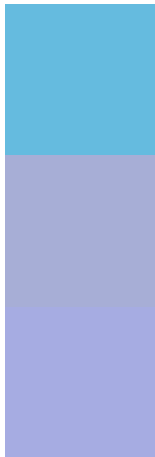


This preview shows how white text looks on a background with the CIELCh color 72, 30.469, 238.423.

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, 30.469, 238.423

Protanopia

72, 21.875, 286.107

Deuteranopia

72, 29.473, 289.212

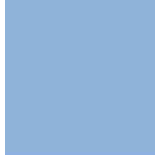


Tritanopia
72, 29.014, 213.927

Trichromacy



Original Color
72, 30.469, 238.423



Protanomaly
72, 23.265, 262.476



Deuteranomaly
71, 27.916, 269.671



Tritanomaly
72, 28.933, 223.521

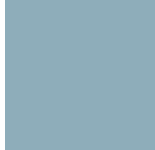
Monochromacy



Original Color
72, 30.469, 238.423



Achromatopsia
68, 0.008, 296.813



Achromatomaly
69, 12.699, 233.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 30.469, 238.423 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(101, 187, 223)` looks like.

```
.text, #text, p{  
    color:rgb(101, 187, 223)  
}
```

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(101, 187, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 187, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 30.469, 238.423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

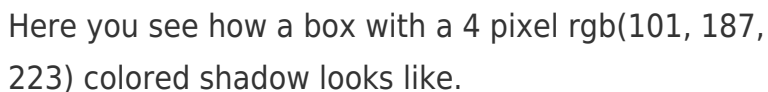
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 187, 223) }
```

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

```
.border{ border-color:rgb(101, 187, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 187, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(101, 187,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 30.469, 238.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 187, 223) }
```

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

```
.background{ background-color: rgb(101,  
187, 223) }
```

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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