

Converting Colors

CIELCh(72, 29.595, 233.864)

Have a look what the booklet for
CIELCh(72, 29.595, 233.864)
contains.

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Color

CIELCh(72, 29.432, 233.186)

Conversions

Conversions Part 1

Format	Color
Hex	65BCDB
RGB	101, 188, 219
RGB Percent	40%, 74%, 86%
CMY	0.6054, 0.2641, 0.1426
CMYK	0.54, 0.14, 0.00, 0.14
HSL	196°, 62%, 63%
HSV	196°, 54%, 86%
XYZ	35.9733, 43.6590, 73.3025
YIQ	165.5210, -61.8030, -8.8030

Conversions

Conversions Part 2

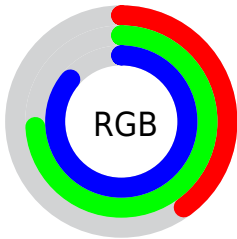
Format	Color
RYB	101, 151, 219
Decimal	6667483
CIELab	72.00, -17.64, -23.56
CIElCh	72, 29.432, 233.186
Yxy	43.6590, 0.2352, 0.2855
Android (android.graphics.Color)	4284857563 (0xFF65BCDB)
YUV	165.5210, 26.3651, -56.5849
Hunter-Lab	66.0750, -18.4501, -19.5229

Details

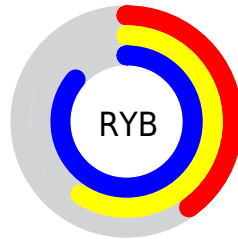
The CIELCh color **72, 29.432, 233.186** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64, 43.344, 45.526**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 26.586, 210.310**, and **52, 29.376, 232.795** is the 20% darker color. If you saturate the color by 10%, you get **70, 33.124, 235.569**, and if you desaturate by 10%, it is **75, 25.085, 231.308**.

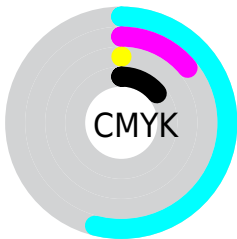
Distribution



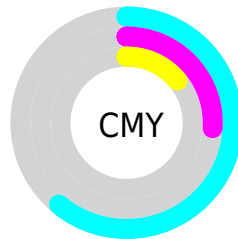
- Red (40%)
- Green (74%)
- Blue (86%)



- Red (40%)
- Yellow (59%)
- Blue (86%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)





- Cyan (61%)
- Magenta (26%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 29.432, 233.186 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, 29.432, 233.186 by changing the saturation by 10% instead.


 72, 29.432,
233.186

 72, 29.432,
233.186


 100, 29.432,
233.186


 62, 29.432,
233.186


 92, 29.432,
233.186

 52, 29.432,
233.186

 42, 29.432,
233.186

 32, 29.432,
233.186

 22, 29.432,
233.186

 12, 29.432,
233.186

 2, 29.432, 233.186

0, 29.432, 233.186

72, 29.432,
233.186

72, 29.432,
233.186

70, 33.124,
235.569

75, 25.085,
231.308

67, 36.146,
238.555

77, 20.143,
229.849

65, 38.545,
242.216

80, 14.685,
228.727

63, 40.448,
246.575

83, 8.796, 227.884

62, 41.493,
249.411

86, 2.561, 227.378

89, 3.945, 46.521

92, 10.657, 46.239

■ 94, 11.021, 63.668

■ 95, 12.052, 80.632

Harmonies

Complementary

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



72, 29.432, 233.186



64, 43.344, 45.526

Rectangle

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



72, 29.432, 233.186



72, 29.432, 283.186



72, 29.432, 53.186



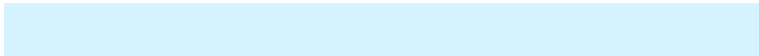
72, 29.432, 103.186

Sweetspot

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



72, 29.431, 233.185



94, 11.347, 228.045



79, 62.146, 147.199



50, 7.619, 228.210



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, 29.431, 233.185



80, 37.793, 236.001



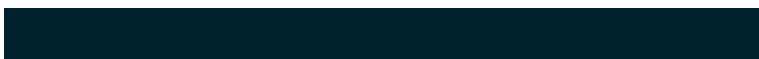
56, 50.803, 286.944



45, 3.621, 227.591



50, 34.723, 248.579



11, 13.346, 239.126

Inverse Universe

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



60, 61.543, 336.846



64, 80.558, 337.936



78, 48.092, 90.427



43, 6.660, 333.406



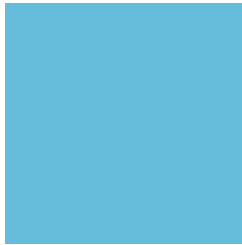
39, 70.923, 342.133



6, 28.741, 339.194

Previews

White Background



This preview shows how the CIELCh color 72, 29.432, 233.186 looks on a white background.

Color Contrast Check

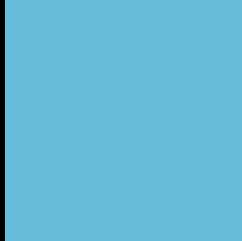
Large Text (above 18pt) WCAG AA × Fail

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, 29.432, 233.186 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, 29.432, 233.186

Background



This preview shows how black text looks on a background with the CIELCh color 72, 29.432, 233.186.



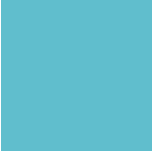
This preview shows how white text looks on a background with the CIELCh color 72, 29.432, 233.186.

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, 28.609, 214.194

Trichromacy



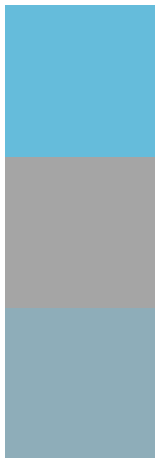
Original Color
72, 29.432, 233.186

Protanomaly
72, 21.328, 259.810

Deuteranomaly
72, 25.375, 267.293

Tritanomaly
72, 28.491, 221.494

Monochromacy



Original Color
72, 29.432, 233.186

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 12.442, 230.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 29.432, 233.186 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, 188, 219)` looks like.

```
.text, #text, p{  
    color:rgb(101, 188, 219)  
}
```

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, 188, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 188, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 29.432, 233.186 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, 188, 219) }
```

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

```
.border{ border-color:rgb(101, 188, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 188, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 188, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 188, 219);  
box-shadow:4px 4px 4px 4px rgb(101, 188,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 29.432, 233.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 188, 219) }
```

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

```
.background{ background-color: rgb(101,  
188, 219) }
```

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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