

Converting Colors

CIELCh(71, 23.512, 229.316)

Have a look what the booklet for
CIELCh(71, 23.512, 229.316)
contains.

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Color

CIELCh(71, 23.363, 229.265)

Conversions

Conversions Part 1

Format	Color
Hex	75B7CD
RGB	117, 183, 205
RGB Percent	46%, 72%, 80%
CMY	0.5402, 0.2814, 0.1951
CMYK	0.43, 0.11, 0.00, 0.20
HSL	195°, 47%, 63%
HSV	195°, 43%, 80%
XYZ	35.4035, 42.1875, 64.1937
YIQ	165.7740, -46.3980, -7.1500

Conversions

Conversions Part 2

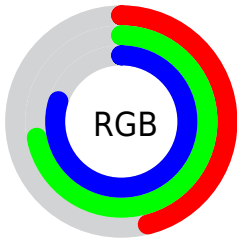
Format	Color
R _Y B	117, 155, 205
Decimal	7714765
CIE Lab	71.00, -15.25, -17.70
CIE LCh	71, 23.363, 229.265
Yxy	42.1875, 0.2497, 0.2975
Android (android.graphics.Color)	4285904845 (0xFF75B7CD)
YUV	165.7740, 19.3384, -42.7748
Hunter-Lab	64.9519, -16.3704, -13.1316

Details

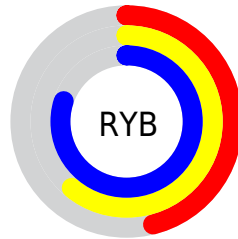
The CIELCh color **71, 23.363, 229.265** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 31.466, 44.276**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 22.114, 220.407**, and **51, 23.487, 229.419** is the 20% darker color. If you saturate the color by 10%, you get **69, 27.529, 230.971**, and if you desaturate by 10%, it is **74, 18.622, 227.944**.

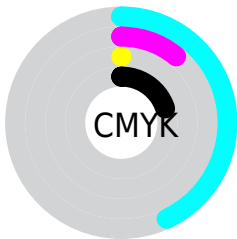
Distribution



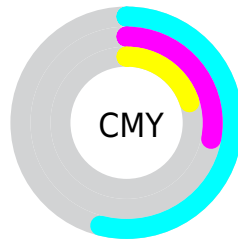
- Red (46%)
- Green (72%)
- Blue (80%)



- Red (46%)
- Yellow (61%)
- Blue (80%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (54%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 23.363, 229.265 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 71, 23.363, 229.265 by changing the saturation by 10% instead.


 71, 23.363,
229.265


 71, 23.363,
229.265


 100, 23.363,
229.265


 61, 23.363,
229.265


 91, 23.363,
229.265

 51, 23.363,
229.265

 41, 23.363,
229.265

 31, 23.363,
229.265

 21, 23.363,
229.265

 11, 23.363,
229.265

 1, 23.363, 229.265

0, 23.363, 229.265

71, 23.363,
229.265

71, 23.363,
229.265

69, 27.529,
230.971

74, 18.622,
227.944

66, 31.060,
233.156

76, 13.388,
226.940

64, 33.928,
235.910

79, 7.744, 226.200

62, 36.164,
239.314

82, 1.771, 225.858

85, 4.459, 45.007

61, 37.872,
243.410

88, 10.883, 44.770

59, 38.926,
246.619

90, 15.379, 47.983

■ 91, 15.249, 59.911

■ 93, 15.784, 71.494

Harmonies

Complementary

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



71, 23.363, 229.265



64, 31.466, 44.276

Rectangle

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



71, 23.363, 229.265



71, 23.363, 279.265



71, 23.363, 49.265



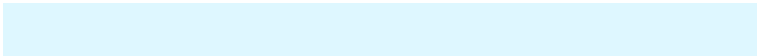
71, 23.363, 99.265

Sweetspot

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



71, 23.362, 229.263



96, 9.319, 226.218



76, 47.639, 148.625



50, 6.483, 226.363



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 23.362, 229.263



84, 31.857, 230.737



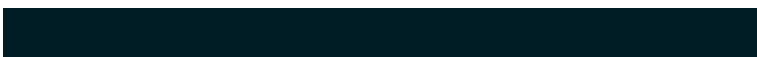
59, 37.710, 284.217



42, 3.424, 226.005



49, 33.068, 245.836



9, 11.799, 235.087

Inverse Universe

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



61, 47.901, 335.358



70, 66.857, 336.071



75, 36.389, 91.924



40, 6.331, 332.918



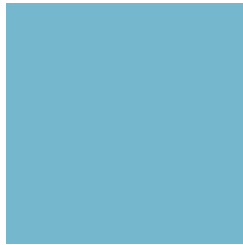
37, 69.236, 341.227



5, 23.665, 337.934

Previews

White Background



This preview shows how the CIE LCh color 71, 23.363, 229.265 looks on a white background.

Color Contrast Check

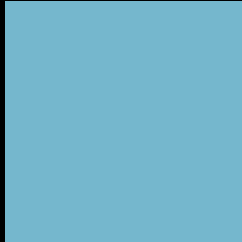
Large Text (above 18pt) WCAG AA × Fail

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 71, 23.363, 229.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

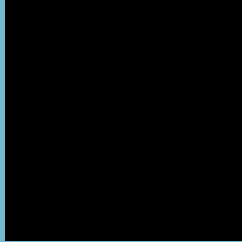
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 23.363, 229.265

Background



This preview shows how black text looks on a background with the CIELCh color 71, 23.363, 229.265.



This preview shows how white text looks on a background with the CIELCh color 71, 23.363, 229.265.

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

71, 23.363, 229.265

Protanopia

71, 14.231, 287.331

Deuteranopia

71, 21.402, 295.016



Tritanopia
71, 22.959, 218.948

Trichromacy



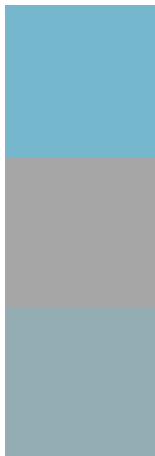
Original Color
71, 23.363, 229.265

Protanomaly
71, 15.987, 258.133

Deuteranomaly
70, 19.244, 269.512

Tritanomaly
71, 22.967, 221.960

Monochromacy



Original Color
71, 23.363, 229.265

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 9.492, 226.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 23.363, 229.265 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(117, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 183, 205)  
}
```

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(117, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 183, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 23.363, 229.265 is called "border". The border property can be set on classes, ids or directly on the HTML element.

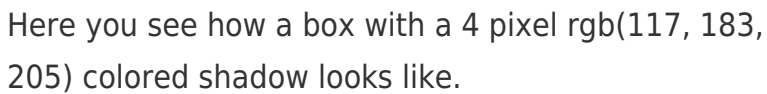
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 183, 205) }
```

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

```
.border{ border-color:rgb(117, 183, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(117, 183,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 23.363, 229.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 183, 205) }
```

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

```
.background{ background-color: rgb(117,  
183, 205) }
```

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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