

Converting Colors

CIELCh(71, 27.452, 223.627)

Have a look what the booklet for
CIELCh(71, 27.452, 223.627)
contains.

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Color

CIELCh(71, 27.464, 222.575)

Conversions

Conversions Part 1

Format	Color
Hex	64BACF
RGB	100, 186, 207
RGB Percent	39%, 73%, 81%
CMY	0.6089, 0.2716, 0.1893
CMYK	0.52, 0.10, 0.00, 0.19
HSL	192°, 53%, 60%
HSV	192°, 52%, 81%
XYZ	33.9539, 42.1875, 65.2071
YIQ	162.6800, -57.9970, -11.7010

Conversions

Conversions Part 2

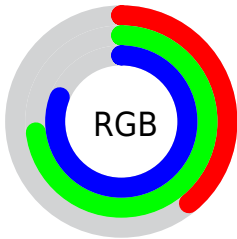
Format	Color
R _{YB}	100, 148, 207
Decimal	6601423
CIE _{Lab}	71.00, -20.22, -18.58
CIE _{LCh}	71, 27.464, 222.575
Yxy	42.1875, 0.2402, 0.2985
Android (android.graphics.Color)	4284791503 (0xFF64BACF)
YUV	162.6800, 21.8498, -54.9704
Hunter-Lab	64.9519, -20.3541, -14.0567

Details

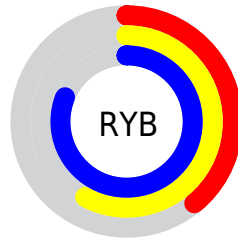
The CIELCh color **71, 27.464, 222.575** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 40.761, 39.623**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 26.428, 212.769**, and **51, 27.546, 222.501** is the 20% darker color. If you saturate the color by 10%, you get **69, 30.922, 224.157**, and if you desaturate by 10%, it is **73, 23.286, 221.375**.

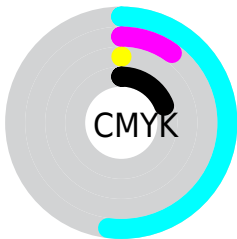
Distribution



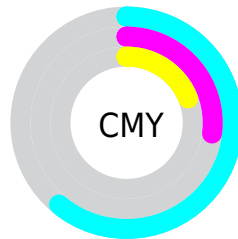
- Red (39%)
- Green (73%)
- Blue (81%)



- Red (39%)
- Yellow (58%)
- Blue (81%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)





- Cyan (61%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 27.464, 222.575 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, 27.464, 222.575 by changing the saturation by 10% instead.


 71, 27.464,
222.575


 71, 27.464,
222.575


 100, 27.464,
222.575


 61, 27.464,
222.575


 91, 27.464,
222.575

 51, 27.464,
222.575

 41, 27.464,
222.575

 31, 27.464,
222.575

 21, 27.464,
222.575

 11, 27.464,
222.575

 1, 27.464, 222.575

0, 27.464, 222.575

71, 27.464,
222.575

71, 27.464,
222.575

69, 30.922,
224.157

73, 23.286,
221.375

67, 33.613,
226.209

75, 18.469,
220.489

66, 35.542,
228.809

78, 13.106,
219.858

64, 36.782,
232.024

80, 7.293, 219.443

63, 37.465,
235.058

83, 1.121, 219.569

85, 5.329, 38.791

88, 11.989, 38.764

■ 90, 15.129, 43.211

■ 91, 14.763, 52.782

Harmonies

Complementary

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



71, 27.464, 222.575



60, 40.761, 39.623

Rectangle

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



71, 27.464, 222.575



71, 27.464, 272.575



71, 27.464, 42.575



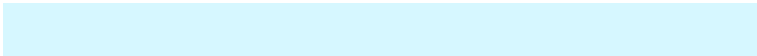
71, 27.464, 92.575

Sweetspot

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



71, 27.463, 222.573



95, 11.620, 219.601



75, 60.089, 145.301



50, 7.797, 219.689



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, 27.463, 222.573



83, 36.576, 224.339



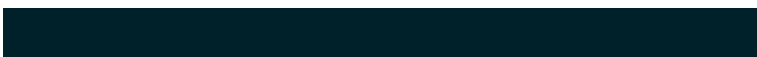
56, 42.358, 281.947



43, 3.573, 219.380



52, 32.110, 234.440



11, 12.199, 226.193

Inverse Universe

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



58, 59.300, 333.832



66, 81.310, 334.648



72, 42.004, 85.622



41, 6.714, 330.949



38, 72.774, 337.844



5, 26.736, 335.474

Previews

White Background



This preview shows how the CIELCh color 71, 27.464, 222.575 looks on a white background.

Color Contrast Check

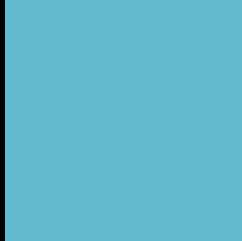
Large Text (above 18pt) WCAG AA × Fail

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, 27.464, 222.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

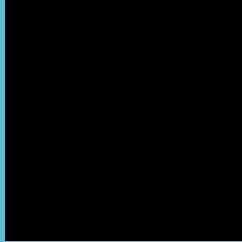
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 27.464, 222.575

Background



This preview shows how black text looks on a background with the CIELCh color 71, 27.464, 222.575.



This preview shows how white text looks on a background with the CIELCh color 71, 27.464, 222.575.

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, 27.464, 222.575

Protanopia

71, 14.231, 288.747

Deuteranopia

71, 22.475, 294.102



Tritanopia
71, 27.531, 214.977

Trichromacy



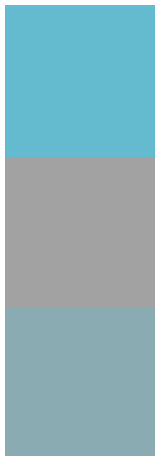
Original Color
71, 27.464, 222.575

Protanomaly
70, 17.044, 252.605

Deuteranomaly
70, 20.691, 263.618

Tritanomaly
71, 27.462, 217.495

Monochromacy



Original Color
71, 27.464, 222.575

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 11.789, 217.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 27.464, 222.575 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(100, 186, 207)` looks like.

```
.text, #text, p{  
    color:rgb(100, 186, 207)  
}
```

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(100, 186, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 186, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 27.464, 222.575 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(100, 186, 207) }
```

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

```
.border{ border-color:rgb(100, 186, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 186, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 186, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 186, 207);  
box-shadow:4px 4px 4px 4px rgb(100, 186,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 27.464, 222.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 186, 207) }
```

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

```
.background{ background-color: rgb(100,  
186, 207) }
```

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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