

Converting Colors

CIELCh(71, 20.683, 259.860)

Have a look what the booklet for
CIELCh(71, 20.683, 259.860)
contains.

CIELCh(71, 20.622, 260.416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 20.622, 260.416)

Conversions

Conversions Part 1

Format	Color
Hex	90B1D2
RGB	144, 177, 210
RGB Percent	56%, 69%, 82%
CMY	0.4341, 0.3047, 0.1752
CMYK	0.31, 0.16, 0.00, 0.18
HSL	210°, 42%, 70%
HSV	210°, 31%, 82%
XYZ	39.0066, 42.1875, 67.2629
YIQ	170.8950, -30.2610, 3.2670

Conversions

Conversions Part 2

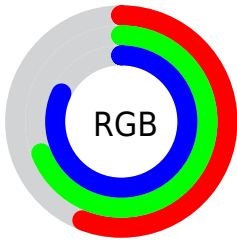
Format	Color
RYB	144, 166, 210
Decimal	9482706
CIELab	71.00, -3.43, -20.33
CIELCh	71, 20.622, 260.416
Yxy	42.1875, 0.2627, 0.2842
Android (android.graphics.Color)	4287672786 (0xFF90B1D2)
YUV	170.8950, 19.2788, -23.5869
Hunter-Lab	64.9519, -6.4683, -15.9332

Details

The CIELCh color **71, 20.622, 260.416** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74, 22.498, 71.523**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 15.691, 245.827**, and **51, 20.313, 258.807** is the 20% darker color. If you saturate the color by 10%, you get **67, 26.981, 262.652**, and if you desaturate by 10%, it is **75, 14.144, 258.539**.

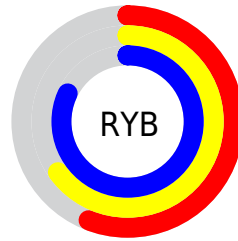
Distribution



Red (56%)

Green (69%)

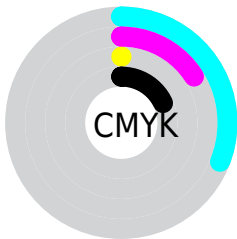
Blue (82%)



Red (56%)

Yellow (65%)

Blue (82%)

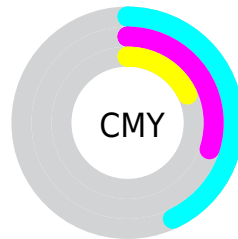


Cyan (31%)

Magenta (16%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (30%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 20.622, 260.416 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, 20.622, 260.416 by changing the saturation by 10% instead.

■ 71, 20.622,
260.416

■ 71, 20.622,
260.416

■ 100, 20.622,
260.416

■ 61, 20.622,
260.416

■ 91, 20.622,
260.416

■ 51, 20.622,
260.416

■ 41, 20.622,
260.416

■ 31, 20.622,
260.416

■ 21, 20.622,
260.416

■ 11, 20.622,
260.416

■ 1, 20.622, 260.416

0, 20.622, 260.416

71, 20.622,
260.416

71, 20.622,
260.416

67, 26.981,
262.652

75, 14.144,
258.539

63, 33.212,
265.313

79, 7.573, 256.978

59, 39.327,
268.448

84, 0.933, 256.000

88, 5.750, 74.388

55, 45.365,
272.080

92, 12.452, 73.452

51, 51.404,
276.178

95, 16.312, 89.419

98, 20.629,
104.370

48, 57.544,
280.629

■ 45, 63.001,
284.497

■ 99, 22.572,
108.467

Harmonies

Complementary

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



71, 20.622, 260.416



74, 22.498, 71.523

Rectangle

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



71, 20.622, 260.416



71, 20.622, 310.416



71, 20.622, 80.416



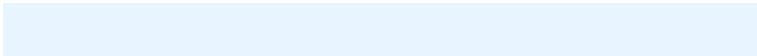
71, 20.622, 130.416

Sweetspot

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



71, 20.621, 260.414



95, 7.007, 256.665



79, 29.508, 160.714



50, 4.865, 256.864



0, 0.000, 0.000



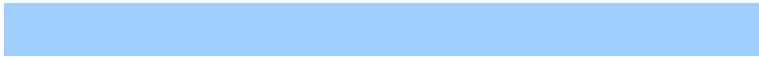
53, 0.007, 296.813

Same Dimension

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



71, 20.621, 260.414



81, 29.034, 261.947



62, 37.059, 294.087



42, 3.760, 256.706



36, 52.549, 283.736



6, 16.207, 272.051

Inverse Universe

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



67, 30.665, 346.599



76, 43.396, 347.435



83, 34.318, 107.149



41, 5.421, 344.392



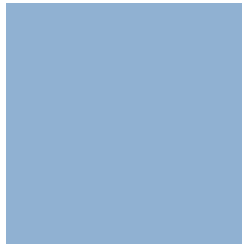
36, 62.117, 1.679



5, 21.812, 353.948

Previews

White Background



This preview shows how the CIELCh color 71, 20.622, 260.416 looks on a white background.

Color Contrast Check

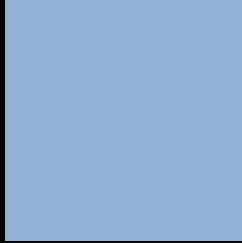
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 20.622, 260.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

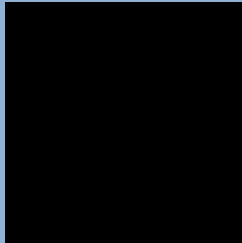
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

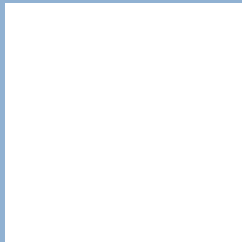
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 20.622, 260.416

Background



This preview shows how black text looks on a background with the CIELCh color 71, 20.622, 260.416.



This preview shows how white text looks on a background with the CIELCh color 71, 20.622, 260.416.

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, 20.622, 260.416

Protanopia

71, 19.188, 285.917

Deuteranopia

71, 22.983, 293.253



Tritanopia
71, 15.036, 229.260

Trichromacy



Original Color
71, 20.622, 260.416

Protanomaly
71, 19.173, 275.685

Deuteranomaly
71, 21.028, 281.170

Tritanomaly
71, 16.543, 242.850

Monochromacy



Original Color
71, 20.622, 260.416

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 7.767, 257.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 20.622, 260.416 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(144, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(144, 177, 210)  
}
```

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(144, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 177, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 20.622, 260.416 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(144, 177, 210) }
```

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

```
.border{ border-color:rgb(144, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(144, 177,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 20.622, 260.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 177, 210) }
```

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

```
.background{ background-color: rgb(144,  
177, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor