

Converting Colors

CIELCh(70, 21.006, 245.989)

Have a look what the booklet for
CIELCh(70, 21.006, 245.989)
contains.

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Color

CIELCh(70, 20.842, 246.331)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 83B1CD |
| RGB | 131, 177, 205 |
| RGB Percent | 51%, 69%, 80% |
| CMY | 0.4857, 0.3053, 0.1955 |
| CMYK | 0.36, 0.14, 0.00, 0.20 |
| HSL | 203°, 43%, 66% |
| HSV | 203°, 36%, 80% |
| XYZ | 36.1672, 40.7494, 63.8059 |
| YIQ | 166.4380, -36.4040, -1.0440 |

Conversions

Conversions Part 2

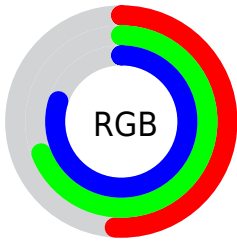
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 131, 159, 205 |
| Decimal | 8630733 |
| CIE Lab | 70.00, -8.37, -19.09 |
| CIE LCh | 70, 20.842, 246.331 |
| Yxy | 40.7494, 0.2570, 0.2896 |
| Android (android.graphics.Color) | 4286820813 (0xFF83B1CD) |
| YUV | 166.4380, 19.0111, -31.0791 |
| Hunter-Lab | 63.8353, -10.5789, -14.5781 |

Details

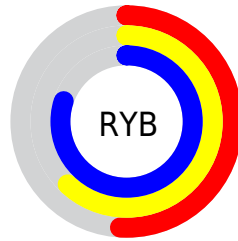
The CIELCh color **70, 20.842, 246.331** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69, 24.966, 57.964**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 18.620, 236.759**, and **50, 21.022, 247.613** is the 20% darker color. If you saturate the color by 10%, you get **67, 25.963, 248.516**, and if you desaturate by 10%, it is **73, 15.392, 244.550**.

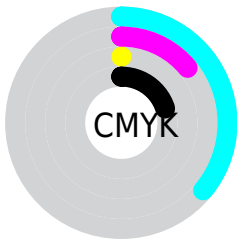
Distribution



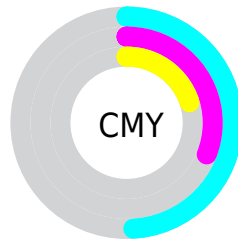
- Red (51%)
- Green (69%)
- Blue (80%)



- Red (51%)
- Yellow (62%)
- Blue (80%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)





- Cyan (49%)
- Magenta (31%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.842, 246.331 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 70, 20.842, 246.331 by changing the saturation by 10% instead.


 70, 20.842,
246.331


 70, 20.842,
246.331


 100, 20.842,
246.331


 60, 20.842,
246.331


 90, 20.842,
246.331

 50, 20.842,
246.331

 40, 20.842,
246.331

 30, 20.842,
246.331

 20, 20.842,
246.331

 10, 20.842,
246.331

 0, 20.842, 246.331

70, 20.842,
246.331

70, 20.842,
246.331

67, 25.963,
248.516

73, 15.392,
244.550

64, 30.720,
251.192

77, 9.664, 243.113

80, 3.710, 242.002

61, 35.105,
254.433

84, 2.420, 60.708

58, 39.152,
258.288

87, 8.681, 60.043

55, 42.952,
262.752

91, 15.036, 59.398

93, 16.216, 75.902

52, 46.653,
267.713

95, 18.419, 89.992

52, 48.151,
269.647

97, 21.473,
100.480

Harmonies

Complementary

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



70, 20.842, 246.331



69, 24.966, 57.964

Rectangle

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



70, 20.842, 246.331



70, 20.842, 296.331



70, 20.842, 66.331



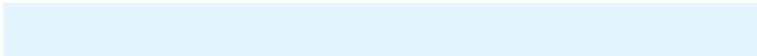
70, 20.842, 116.331

Sweetspot

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



70, 20.841, 246.328



95, 7.955, 242.518



77, 36.811, 153.924



50, 5.333, 242.676



0, 0.000, 0.000



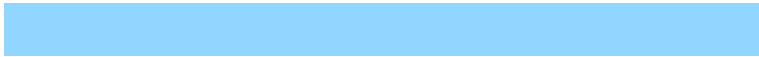
53, 0.007, 296.813

Same Dimension

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



70, 20.841, 246.328



82, 29.103, 247.920



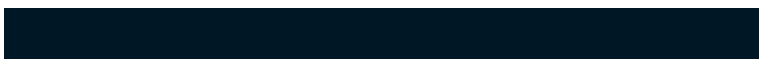
60, 36.241, 289.235



41, 3.432, 242.327



42, 40.633, 268.800



7, 13.019, 257.130

Inverse Universe

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



64, 37.237, 340.602



74, 52.628, 341.356



78, 34.029, 100.164



40, 5.778, 338.293



36, 64.042, 350.808



4, 21.431, 345.736

Previews

White Background



This preview shows how the CIELCh color 70, 20.842, 246.331 looks on a white background.

Color Contrast Check

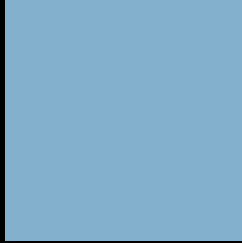
Large Text (above 18pt) WCAG AA × Fail

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 70, 20.842, 246.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

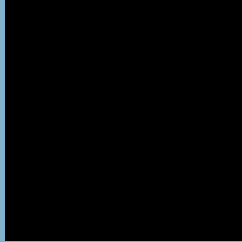
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

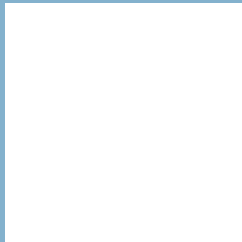
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 20.842, 246.331

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.842, 246.331.

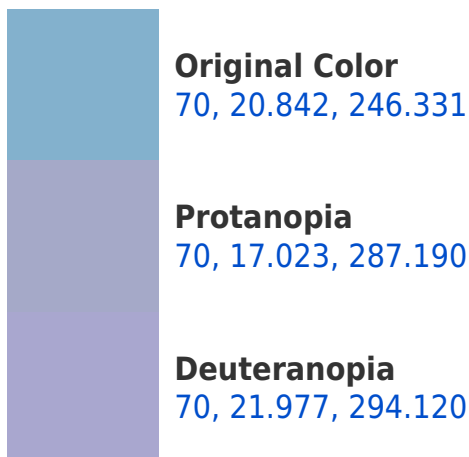


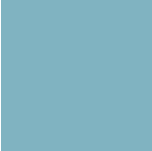
This preview shows how white text looks on a background with the CIELCh color 70, 20.842, 246.331.

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
70, 18.256, 223.229

Trichromacy



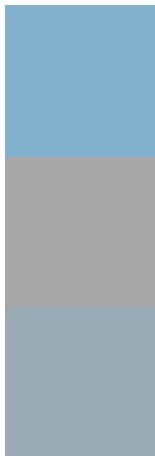
Original Color
70, 20.842, 246.331

Protanomaly
70, 17.453, 270.173

Deuteranomaly
70, 19.751, 276.280

Tritanomaly
70, 18.776, 232.261

Monochromacy



Original Color
70, 20.842, 246.331

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.095, 241.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.842, 246.331 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(131, 177, 205)` looks like.

```
.text, #text, p{  
    color:rgb(131, 177, 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(131, 177, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 177, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.842, 246.331 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(131, 177, 205) }
```

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

```
.border{ border-color:rgb(131, 177, 205) }
```

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

Here you see how a box with a 4 pixel rgb(131, 177, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 177, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 177, 205);  
box-shadow:4px 4px 4px 4px rgb(131, 177,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.842, 246.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 177, 205) }
```

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

```
.background{ background-color: rgb(131,  
177, 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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