

Converting Colors

CIELCh(70, 30.259, 270.354)

Have a look what the booklet for
CIELCh(70, 30.259, 270.354)
contains.

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Color

CIELCh(70, 30.232, 270.302)

Conversions

Conversions Part 1

Format	Color
Hex	88AEE2
RGB	136, 174, 226
RGB Percent	53%, 68%, 89%
CMY	0.4685, 0.3195, 0.1157
CMYK	0.40, 0.23, 0.00, 0.12
HSL	215°, 60%, 71%
HSV	215°, 40%, 88%
XYZ	38.7811, 40.7494, 77.4175
YIQ	168.5660, -39.3400, 8.1160

Conversions

Conversions Part 2

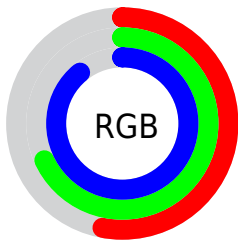
Format	Color
R _Y B	136, 163, 226
Decimal	8957666
CIE Lab	70.00, 0.16, -30.23
CIE LCh	70, 30.232, 270.302
Yxy	40.7494, 0.2471, 0.2596
Android (android.graphics.Color)	4287147746 (0xFF88AEE2)
YUV	168.5660, 28.3150, -28.5604
Hunter-Lab	63.8353, -3.2698, -27.2204

Details

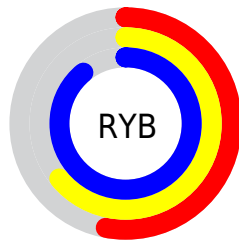
The CIELCh color **70, 30.232, 270.302** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **78, 32.099, 78.035**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 17.773, 248.796**, and **50, 29.863, 270.018** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.835, 272.873**, and if you desaturate by 10%, it is **75, 22.638, 268.114**.

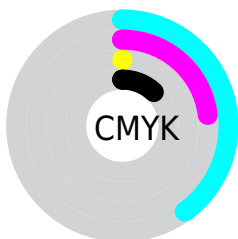
Distribution



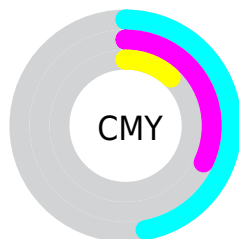
- Red (53%)
- Green (68%)
- Blue (89%)



- Red (53%)
- Yellow (64%)
- Blue (89%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (12%)





- Cyan (47%)
- Magenta (32%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 30.232, 270.302 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, 30.232, 270.302 by changing the saturation by 10% instead.


 70, 30.232,
270.302


 70, 30.232,
270.302


 100, 30.232,
270.302


 60, 30.232,
270.302


 90, 30.232,
270.302

 50, 30.232,
270.302

 40, 30.232,
270.302

 30, 30.232,
270.302

 20, 30.232,
270.302

 10, 30.232,
270.302

 0, 30.232, 270.302

70, 30.232,
270.302

70, 30.232,
270.302

65, 37.835,
272.873

75, 22.638,
268.114

60, 45.475,
275.871

80, 15.053,
266.263

56, 53.198,
279.304

85, 7.481, 264.706

52, 61.070,
283.128

90, 0.065, 78.165

95, 7.571, 82.112

48, 69.145,
287.220

98, 13.324,
103.953

44, 77.431,
291.303

99, 14.922,
109.050

44, 77.513,
291.341

Harmonies

Complementary

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



70, 30.232, 270.302



78, 32.099, 78.035

Rectangle

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



70, 30.232, 270.302



70, 30.232, 320.302



70, 30.232, 90.302



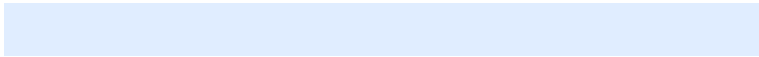
70, 30.232, 140.302

Sweetspot

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



70, 30.231, 270.301



93, 10.019, 265.021



83, 37.214, 163.325



49, 6.646, 265.217



0, 0.000, 0.000



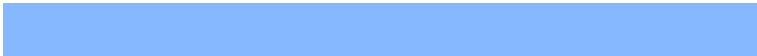
53, 0.007, 296.813

Same Dimension

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



70, 30.231, 270.301



74, 40.203, 272.441



60, 50.818, 297.515



45, 4.273, 264.641



34, 63.279, 290.629



7, 21.439, 281.418

Inverse Universe

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



67, 39.584, 352.440



70, 52.382, 353.768



87, 45.862, 109.364



44, 5.465, 348.851



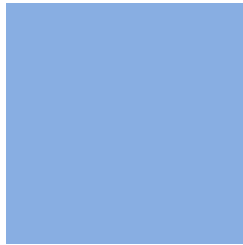
37, 63.994, 9.294



6, 25.813, 0.253

Previews

White Background



This preview shows how the CIE LCh color 70, 30.232, 270.302 looks on a white background.

Color Contrast Check

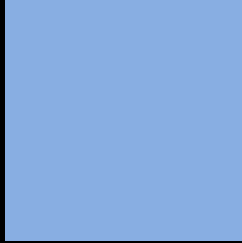
Large Text (above 18pt) WCAG AA × Fail

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 70, 30.232, 270.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

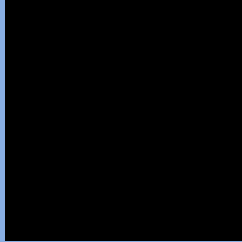
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

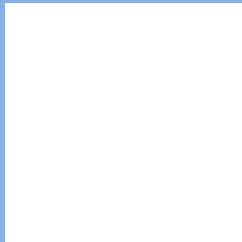
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 30.232, 270.302

Background



This preview shows how black text looks on a background with the CIELCh color 70, 30.232, 270.302.



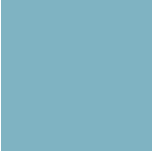
This preview shows how white text looks on a background with the CIELCh color 70, 30.232, 270.302.

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



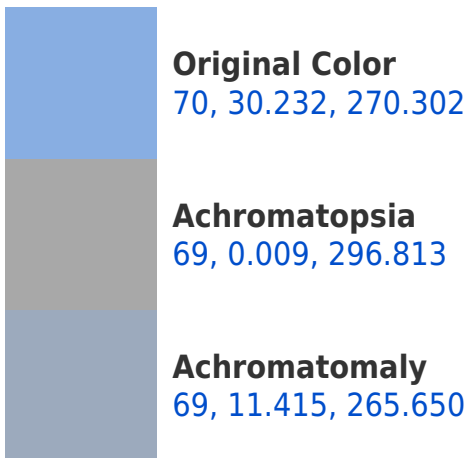


Tritanopia
70, 18.688, 224.482

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 30.232, 270.302 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(136, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(136, 174, 226)  
}
```

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(136, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 174, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 30.232, 270.302 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(136, 174, 226) }
```

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

```
.border{ border-color:rgb(136, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(136, 174,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 30.232, 270.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 174, 226) }
```

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

```
.background{ background-color: rgb(136,  
174, 226) }
```

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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