

Converting Colors

CIELCh(67, 22.696, 258.856)

Have a look what the booklet for
CIELCh(67, 22.696, 258.856)
contains.

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Color

CIELCh(67, 22.998, 259.312)

Conversions

Conversions Part 1

Format	Color
Hex	80A7CB
RGB	128, 167, 203
RGB Percent	50%, 65%, 80%
CMY	0.4973, 0.3443, 0.2031
CMYK	0.37, 0.18, 0.00, 0.20
HSL	209°, 42%, 65%
HSV	209°, 37%, 80%
XYZ	33.5871, 36.6320, 61.9237
YIQ	159.4430, -34.8000, 2.9280

Conversions

Conversions Part 2

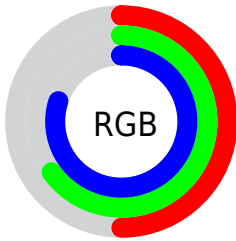
Format	Color
R _Y B	128, 154, 203
Decimal	8431563
CIE Lab	67.00, -4.27, -22.60
CIE LCh	67, 22.998, 259.312
Yxy	36.6320, 0.2542, 0.2772
Android (android.graphics.Color)	4286621643 (0xFF80A7CB)
YUV	159.4430, 21.4736, -27.5755
Hunter-Lab	60.5244, -6.8617, -18.2938

Details

The CIELCh color **67, 22.998, 259.312** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **70, 25.866, 68.768**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 20.913, 255.044**, and **47, 23.171, 259.738** is the 20% darker color. If you saturate the color by 10%, you get **63, 28.911, 261.756**, and if you desaturate by 10%, it is **71, 16.928, 257.266**.

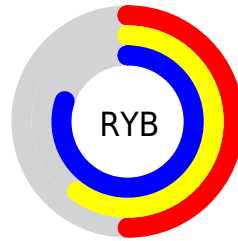
Distribution



Red (50%)

Green (65%)

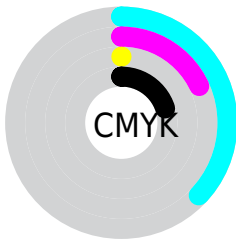
Blue (80%)



Red (50%)

Yellow (60%)

Blue (80%)

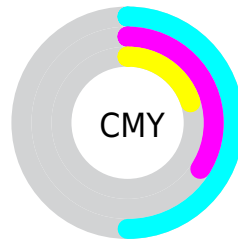


Cyan (37%)

Magenta (18%)

Yellow (0%)

Black (20%)



Cyan (50%)


Magenta (34%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 22.998, 259.312 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 67, 22.998, 259.312 by changing the saturation by 10% instead.


 67, 22.998,
259.312


 67, 22.998,
259.312


 100, 22.998,
259.312


 57, 22.998,
259.312


 87, 22.998,
259.312

 47, 22.998,
259.312

 97, 22.998,
259.312

 37, 22.998,
259.312

 27, 22.998,
259.312

 17, 22.998,
259.312

 7, 22.998, 259.312

 0, 22.998, 259.312

67, 22.998,
259.312

67, 22.998,
259.312

63, 28.911,
261.756

71, 16.928,
257.266

59, 34.665,
264.662

75, 10.724,
255.562

56, 40.280,
268.073

79, 4.415, 254.173

52, 45.812,
271.994

83, 1.971, 72.673

87, 8.405, 71.791

49, 51.355,
276.358

91, 14.863, 70.929

46, 57.024,
280.992

94, 18.133, 84.827

96, 21.690, 98.728

45, 58.830,
282.363

99, 26.128,
108.180

Harmonies

Complementary

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



67, 22.998, 259.312



70, 25.866, 68.768

Rectangle

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



67, 22.998, 259.312



67, 22.998, 309.312



67, 22.998, 79.312



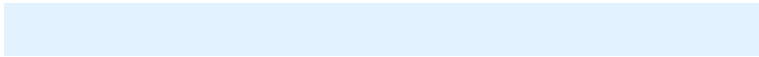
67, 22.998, 129.312

Sweetspot

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



67, 22.997, 259.310



95, 8.421, 254.720



76, 34.474, 158.400



50, 5.653, 254.911



0, 0.000, 0.000



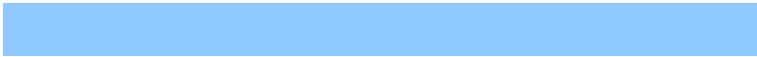
53, 0.007, 296.813

Same Dimension

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



67, 22.997, 259.310



79, 32.690, 261.147



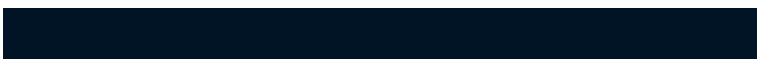
57, 41.344, 293.731



41, 3.628, 254.485



37, 49.859, 281.630



6, 14.773, 269.324

Inverse Universe

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



63, 35.483, 346.086



73, 50.617, 347.040



80, 37.889, 105.156



40, 5.383, 343.314



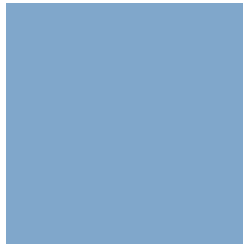
36, 61.675, 359.755



4, 20.127, 352.277

Previews

White Background



This preview shows how the CIELCh color 67, 22.998, 259.312 looks on a white background.

Color Contrast Check

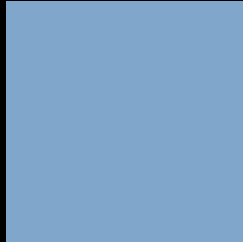
Large Text (above 18pt) WCAG AA × Fail

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 67, 22.998, 259.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

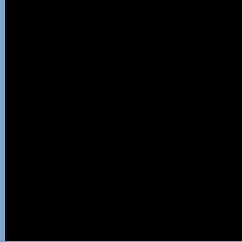
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

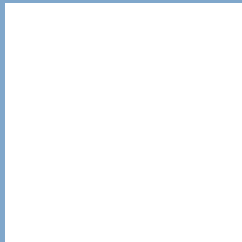
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 22.998, 259.312

Background



This preview shows how black text looks on a background with the CIELCh color 67, 22.998, 259.312.



This preview shows how white text looks on a background with the CIELCh color 67, 22.998, 259.312.

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
67, 17.253, 225.106

Trichromacy



Original Color
67, 22.998, 259.312

Protanomaly
67, 21.645, 276.251

Deuteranomaly
67, 23.646, 279.628

Tritanomaly
67, 18.518, 239.833

Monochromacy



Original Color
67, 22.998, 259.312

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 8.874, 253.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 22.998, 259.312 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(128, 167, 203)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 203)  
}
```

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(128, 167, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 22.998, 259.312 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(128, 167, 203) }
```

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

```
.border{ border-color:rgb(128, 167, 203) }
```

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

Here you see how a box with a 4 pixel rgb(128, 167, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 22.998, 259.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 203) }
```

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

```
.background{ background-color: rgb(128,  
167, 203) }
```

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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