

Converting Colors

CIELCh(68, 21.672, 269.927)

Have a look what the booklet for
CIELCh(68, 21.672, 269.927)
contains.

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Color

CIELCh(68, 21.692, 269.955)

Conversions

Conversions Part 1

Format	Color
Hex	8EA7CC
RGB	142, 167, 204
RGB Percent	56%, 65%, 80%
CMY	0.4414, 0.3433, 0.1982
CMYK	0.30, 0.18, 0.00, 0.20
HSL	216°, 38%, 68%
HSV	216°, 30%, 80%
XYZ	36.0862, 37.9720, 62.8443
YIQ	163.7430, -26.7770, 6.2070

Conversions

Conversions Part 2

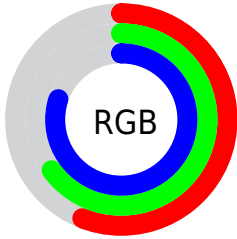
Format	Color
R _Y B	142, 160, 204
Decimal	9349068
CIE Lab	68.00, -0.02, -21.69
CIE LCh	68, 21.692, 269.955
Yxy	37.9720, 0.2636, 0.2774
Android (android.graphics.Color)	4287539148 (0xFF8EA7CC)
YUV	163.7430, 19.8467, -19.0686
Hunter-Lab	61.6215, -3.3060, -17.3316

Details

The CIELCh color $68, 21.692, 269.955$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $74, 22.480, 81.170$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 18.836, 265.959$, and $48, 21.899, 270.593$ is the 20% darker color. If you saturate the color by 10%, you get $63, 28.915, 272.120$, and if you desaturate by 10%, it is $73, 14.502, 268.112$.

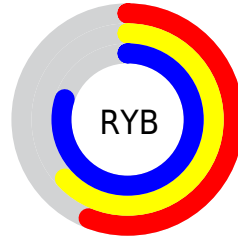
Distribution



Red (56%)

Green (65%)

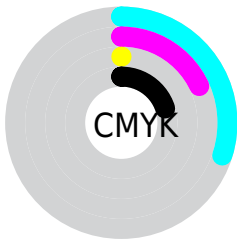
Blue (80%)



Red (56%)

Yellow (63%)

Blue (80%)

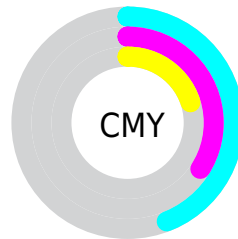


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (20%)



Cyan (44%)


Magenta (34%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.692, 269.955 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 68, 21.692, 269.955 by changing the saturation by 10% instead.


 68, 21.692,
269.955


 68, 21.692,
269.955


 100, 21.692,
269.955


 58, 21.692,
269.955


 88, 21.692,
269.955

 48, 21.692,
269.955

 98, 21.692,
269.955

 38, 21.692,
269.955

 28, 21.692,
269.955

 18, 21.692,
269.955

 8, 21.692, 269.955

 0, 21.692, 269.955

68, 21.692,
269.955

68, 21.692,
269.955

63, 28.915,
272.120

73, 14.502,
268.112

59, 36.183,
274.661

77, 7.350, 266.558

82, 0.243, 266.396

54, 43.519,
277.611

87, 6.809, 83.970

50, 50.967,
280.977

91, 13.797, 82.990

46, 58.581,
284.711

95, 19.263, 92.432

98, 24.485,
106.441

42, 66.394,
288.686

99, 25.504,
108.242

39, 74.117,
292.484

Harmonies

Complementary

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



68, 21.692, 269.955



74, 22.480, 81.170

Rectangle

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



68, 21.692, 269.955



68, 21.692, 319.955



68, 21.692, 89.955



68, 21.692, 139.955

Sweetspot

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



68, 21.691, 269.953



95, 7.658, 266.389



78, 26.134, 165.463



50, 5.323, 266.595



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 21.691, 269.953



80, 30.848, 271.241



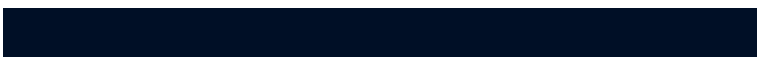
62, 34.969, 296.636



41, 4.027, 266.427



31, 62.407, 291.854



4, 16.961, 278.340

Inverse Universe

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



66, 27.434, 352.348



77, 39.080, 353.166



80, 32.516, 110.915



40, 4.992, 350.018



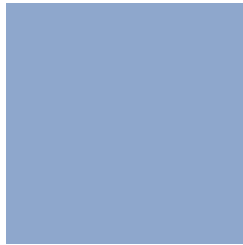
35, 61.353, 10.902



4, 19.111, 359.354

Previews

White Background



This preview shows how the CIE LCh color 68, 21.692, 269.955 looks on a white background.

Color Contrast Check

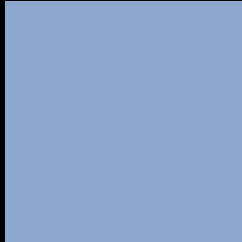
Large Text (above 18pt) WCAG AA × Fail

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 68, 21.692, 269.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

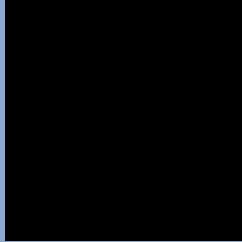
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

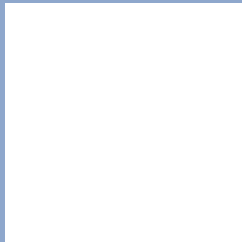
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 21.692, 269.955

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.692, 269.955.



This preview shows how white text looks on a background with the CIELCh color 68, 21.692, 269.955.

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

68, 21.692, 269.955

Protanopia

68, 21.019, 285.798

Deuteranopia

68, 24.273, 291.818



Tritanopia
68, 13.516, 233.623

Trichromacy



Original Color
68, 21.692, 269.955

Protanomaly
68, 21.261, 280.442

Deuteranomaly
68, 22.754, 283.993

Tritanomaly
68, 15.534, 250.435

Monochromacy



Original Color
68, 21.692, 269.955

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 8.311, 267.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.692, 269.955 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(142, 167, 204)` looks like.

```
.text, #text, p{  
    color:rgb(142, 167, 204)  
}
```

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(142, 167, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 167, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.692, 269.955 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(142, 167, 204) }
```

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

```
.border{ border-color:rgb(142, 167, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 167, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 167, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 167, 204);  
box-shadow:4px 4px 4px 4px rgb(142, 167,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.692, 269.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 167, 204) }
```

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

```
.background{ background-color: rgb(142,  
167, 204) }
```

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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