

Converting Colors

CIELCh(68, 11.949, 267.831)

Have a look what the booklet for
CIELCh(68, 11.949, 267.831)
contains.

CIELCh(68, 11.942, 266.941)	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(68, 11.942, 266.941)

Conversions

Conversions Part 1

Format	Color
Hex	99A7BB
RGB	153, 167, 187
RGB Percent	60%, 65%, 73%
CMY	0.4002, 0.3453, 0.2669
CMYK	0.18, 0.11, 0.00, 0.27
HSL	215°, 20%, 67%
HSV	215°, 18%, 73%
XYZ	35.9010, 37.9720, 52.4221
YIQ	165.0940, -14.7640, 3.2520

Conversions

Conversions Part 2

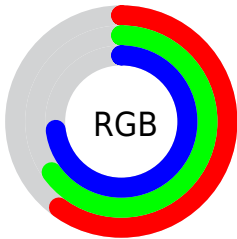
Format	Color
RYB	153, 163, 187
Decimal	10069947
CIELab	68.00, -0.64, -11.92
CIElCh	68, 11.942, 266.941
Yxy	37.9720, 0.2843, 0.3007
Android (android.graphics.Color)	4288260027 (0xFF99A7BB)
YUV	165.0940, 10.7997, -10.6064
Hunter-Lab	61.6215, -3.8423, -7.3036

Details

The CIELCh color $68, 11.942, 266.941$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 12.209, 81.993$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 11.840, 267.465$, and $48, 12.034, 268.306$ is the 20% darker color. If you saturate the color by 10%, you get $64, 18.542, 268.701$, and if you desaturate by 10%, it is $72, 5.365, 265.452$.

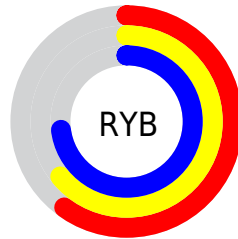
Distribution



Red (60%)

Green (65%)

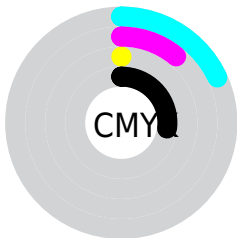
Blue (73%)



Red (60%)

Yellow (64%)

Blue (73%)

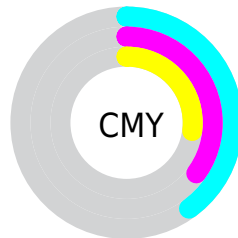


Cyan (18%)

Magenta (11%)

Yellow (0%)

Black (27%)



Cyan (40%)


Magenta (35%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 11.942, 266.941 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, 11.942, 266.941 by changing the saturation by 10% instead.


 68, 11.942,
266.941


 68, 11.942,
266.941


 100, 11.942,
266.941


 58, 11.942,
266.941


 88, 11.942,
266.941

 48, 11.942,
266.941

 98, 11.942,
266.941

 38, 11.942,
266.941

 28, 11.942,
266.941

 18, 11.942,
266.941

 8, 11.942, 266.941

 0, 11.942, 266.941

68, 11.942,
266.941

68, 11.942,
266.941

64, 18.542,
268.701

72, 5.365, 265.452

59, 25.164,
270.781

77, 1.176, 83.861

81, 7.672, 82.950

55, 31.810,
273.223

85, 14.113, 81.999

51, 38.498,
276.067

90, 20.490, 81.160

93, 25.122, 88.396

47, 45.263,
279.331

96, 29.256, 99.517

43, 52.156,
282.984

99, 34.182,
107.523

40, 59.222,
286.927

99, 34.220,
107.571

36, 66.469,

290.931

■ 36, 67.805,
291.606

Harmonies

Complementary

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



68, 11.942, 266.941



71, 12.209, 81.993

Rectangle

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



68, 11.942, 266.941



68, 11.942, 316.941



68, 11.942, 86.941



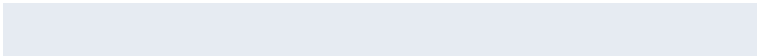
68, 11.942, 136.941

Sweetspot

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



68, 11.941, 266.935



93, 4.045, 265.061



73, 14.723, 166.770



50, 2.782, 265.145



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 11.941, 266.935



84, 17.845, 267.636



64, 19.010, 295.170



38, 3.743, 265.611



30, 59.094, 291.059



3, 12.578, 274.654

Inverse Universe

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



67, 15.173, 350.375



82, 22.769, 350.829



75, 18.246, 111.944



37, 4.705, 349.474



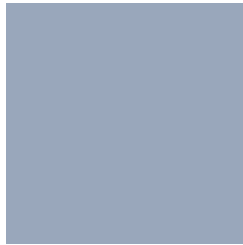
33, 59.171, 9.849



3, 13.358, 356.682

Previews

White Background



This preview shows how the CIE LCh color 68, 11.942, 266.941 looks on a white background.

Color Contrast Check

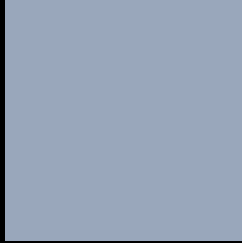
Large Text (above 18pt) WCAG AA × Fail

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, 11.942, 266.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

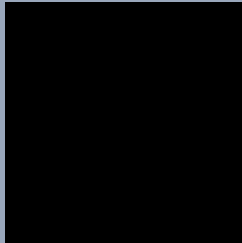
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

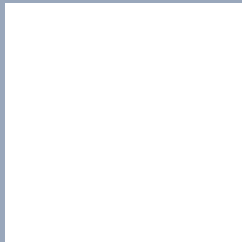
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 11.942, 266.941

Background



This preview shows how black text looks on a background with the CIELCh color 68, 11.942, 266.941.



This preview shows how white text looks on a background with the CIELCh color 68, 11.942, 266.941.

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

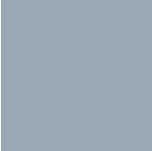
68, 11.942, 266.941

Protanopia

68, 11.581, 289.585

Deuteranopia

68, 15.394, 305.189



Tritanopia
68, 9.038, 251.719

Trichromacy



Original Color
68, 11.942, 266.941

Protanomaly
68, 11.724, 280.867

Deuteranomaly
68, 13.809, 293.061

Tritanomaly
68, 9.896, 255.981

Monochromacy



Original Color
68, 11.942, 266.941

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.247, 264.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 11.942, 266.941 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(153, 167, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 187)  
}
```

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(153, 167, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 11.942, 266.941 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(153, 167, 187) }
```

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

```
.border{ border-color:rgb(153, 167, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 167, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 167, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 167, 187); box-shadow:4px 4px 4px 4px rgb(153, 167, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 11.942, 266.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 187) }
```

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

```
.background{ background-color: rgb(153,  
167, 187) }
```

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