

Converting Colors

CIELCh(69, 12.796, 239.001)

Have a look what the booklet for
CIELCh(69, 12.796, 239.001)
contains.

CIELCh(69, 12.766, 239.171)	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(69, 12.766, 239.171)

Conversions

Conversions Part 1

Format	Color
Hex	90ADBC
RGB	144, 173, 188
RGB Percent	56%, 68%, 74%
CMY	0.4361, 0.3223, 0.2635
CMYK	0.23, 0.08, 0.00, 0.26
HSL	200°, 25%, 65%
HSV	200°, 23%, 74%
XYZ	35.4279, 39.3444, 53.1896
YIQ	166.0390, -22.0990, -1.4830

Conversions

Conversions Part 2

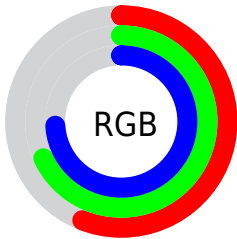
Format	Color
RYB	144, 161, 188
Decimal	9481660
CIELab	69.00, -6.54, -10.96
CIElCh	69, 12.766, 239.171
Yxy	39.3444, 0.2769, 0.3075
Android (android.graphics.Color)	4287671740 (0xFF90ADBC)
YUV	166.0390, 10.8268, -19.3282
Hunter-Lab	62.7251, -8.9499, -6.3691

Details

The CIELCh color $69, 12.766, 239.171$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 14.440, 54.763$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 12.849, 239.534$, and $49, 12.708, 239.137$ is the 20% darker color. If you saturate the color by 10%, you get $66, 17.773, 240.676$, and if you desaturate by 10%, it is $72, 7.470, 237.967$.

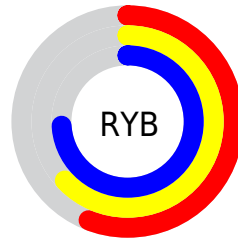
Distribution



Red (56%)

Green (68%)

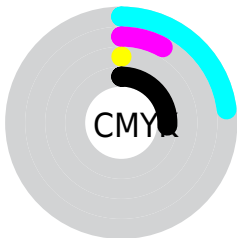
Blue (74%)



Red (56%)

Yellow (63%)

Blue (74%)

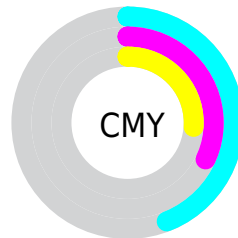


Cyan (23%)

Magenta (8%)

Yellow (0%)

Black (26%)



Cyan (44%)


Magenta (32%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 12.766, 239.171 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 69, 12.766, 239.171 by changing the saturation by 10% instead.


 69, 12.766,
239.171


 69, 12.766,
239.171


 100, 12.766,
239.171


 59, 12.766,
239.171


 89, 12.766,
239.171

 49, 12.766,
239.171

 99, 12.766,
239.171

 39, 12.766,
239.171

 29, 12.766,
239.171

 19, 12.766,
239.171

 9, 12.766, 239.171

 0, 12.766, 239.171

69, 12.766,
239.171

69, 12.766,
239.171

66, 17.773,
240.676

72, 7.470, 237.967

63, 22.435,
242.562

75, 1.942, 237.156

78, 3.767, 55.999

60, 26.704,
244.900

81, 9.611, 55.426

58, 30.551,
247.777

85, 15.553, 54.916

88, 21.073, 55.372

55, 33.984,
251.267

89, 21.337, 66.054

53, 37.061,
255.406

91, 22.323, 76.093

92, 23.934, 84.982

51, 39.900,
260.156

49, 41.766,

263.403

Harmonies

Complementary

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



69, 12.766, 239.171



68, 14.440, 54.763

Rectangle

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



69, 12.766, 239.171



69, 12.766, 289.171



69, 12.766, 59.171



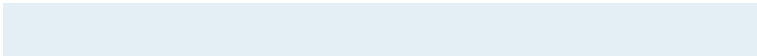
69, 12.766, 109.171

Sweetspot

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



69, 12.766, 239.165



94, 4.887, 237.373



72, 22.958, 153.836



50, 3.171, 237.422



98, 0.011, 296.813



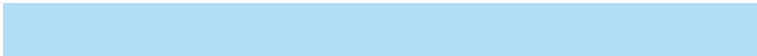
51, 0.007, 296.813

Same Dimension

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



69, 12.766, 239.165



86, 18.701, 239.883



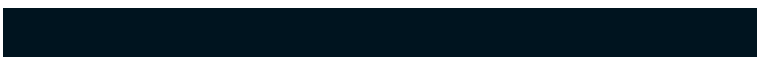
63, 20.599, 285.367



38, 3.190, 237.566



42, 36.478, 262.666



5, 9.943, 251.244

Inverse Universe

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



65, 23.101, 337.704



79, 34.272, 338.119



73, 19.952, 99.720



37, 5.564, 336.608



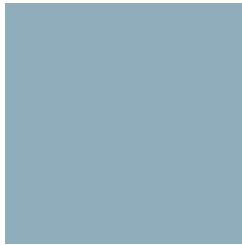
35, 63.150, 347.690



3, 15.546, 342.176

Previews

White Background



This preview shows how the CIELCh color 69, 12.766, 239.171 looks on a white background.

Color Contrast Check

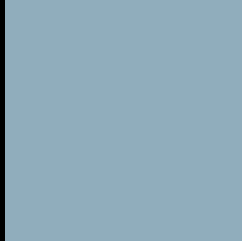
Large Text (above 18pt) WCAG AA × Fail

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 69, 12.766, 239.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

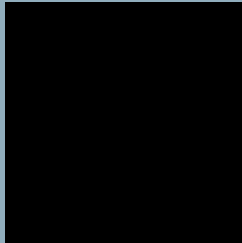
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 12.766, 239.171

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.766, 239.171.



This preview shows how white text looks on a background with the CIELCh color 69, 12.766, 239.171.

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
69, 12.457, 237.067

Trichromacy



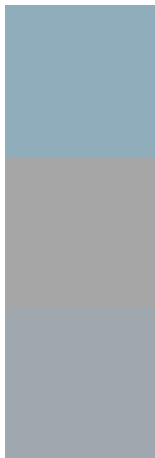
Original Color
69, 12.766, 239.171

Protanomaly
69, 9.539, 266.778

Deuteranomaly
69, 12.150, 284.679

Tritanomaly
69, 12.457, 237.067

Monochromacy



Original Color
69, 12.766, 239.171

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.885, 241.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.766, 239.171 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(144, 173, 188)` looks like.

```
.text, #text, p{  
    color:rgb(144, 173, 188)  
}
```

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(144, 173, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 173, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.766, 239.171 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(144, 173, 188) }
```

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

```
.border{ border-color:rgb(144, 173, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 173, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 173, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 173, 188);  
box-shadow:4px 4px 4px 4px rgb(144, 173,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.766, 239.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 173, 188) }
```

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

```
.background{ background-color: rgb(144,  
173, 188) }
```

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