

Converting Colors

CIELCh(68, 2.322, 280.803)

Have a look what the booklet for
CIELCh(68, 2.322, 280.803) contains.

CIELCh(68, 2.234, 280.793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 2.234, 280.793)

Conversions

Conversions Part 1

Format	Color
Hex	A5A6AA
RGB	165, 166, 170
RGB Percent	65%, 65%, 67%
CMY	0.3545, 0.3506, 0.3349
CMYK	0.03, 0.02, 0.00, 0.33
HSL	228°, 3%, 66%
HSV	228°, 3%, 67%
XYZ	36.2165, 37.9720, 43.2531
YIQ	166.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

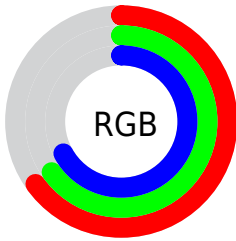
Format	Color
RYB	165, 166, 170
Decimal	10856106
CIELab	68.00, 0.42, -2.19
CIElCh	68, 2.234, 280.793
Yxy	37.9720, 0.3084, 0.3233
Android (android.graphics.Color)	4289046186 (0xFFA5A6AA)
YUV	166.1570, 1.8946, -1.0147
Hunter-Lab	61.6215, -2.9285, 1.5184

Details

The CIELCh color $68, 2.234, 280.793$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 2.210, 99.981$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 2.120, 280.735$, and $48, 2.388, 280.909$ is the 20% darker color. If you saturate the color by 10%, you get $63, 9.919, 281.946$, and if you desaturate by 10%, it is $73, 5.242, 99.607$.

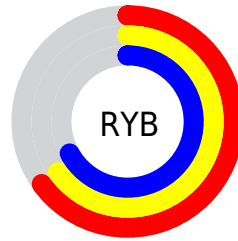
Distribution



Red (65%)

Green (65%)

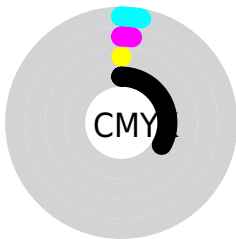
Blue (67%)



Red (65%)

Yellow (65%)

Blue (67%)

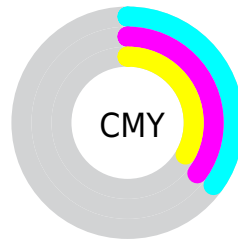


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 2.234, 280.793 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, 2.234, 280.793 by changing the saturation by 10% instead.

■ 68, 2.234, 280.793

■ 68, 2.234, 280.793

100, 2.234,
280.793

■ 58, 2.234, 280.793

■ 88, 2.234, 280.793

■ 48, 2.234, 280.793

■ 98, 2.234, 280.793

■ 38, 2.234, 280.793

■ 28, 2.234, 280.793

■ 18, 2.234, 280.793

■ 8, 2.234, 280.793

■ 0, 2.234, 280.793

■ 68, 2.234, 280.793

■ 68, 2.234, 280.793

■ 63, 9.919, 281.946

■ 73, 5.242, 99.607

■ 58, 17.832,
283.378

■ 78, 12.517, 98.701

■ 53, 25.992,
285.054

■ 83, 19.602, 97.903

■ 88, 26.504, 97.202

■ 48, 34.420,
287.007

■ 92, 33.233, 96.583

■ 43, 43.143,
289.263

■ 96, 39.140,
102.504

■ 38, 52.171,
291.824

■ 98, 42.727,
106.914

■ 34, 61.462,
294.644

■ 30, 70.843,
297.602

■ 26, 79.883,
300.487

Harmonies

Complementary

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



68, 2.234, 280.793



69, 2.210, 99.981

Rectangle

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



68, 2.234, 280.793



68, 2.234, 330.793



68, 2.234, 100.793



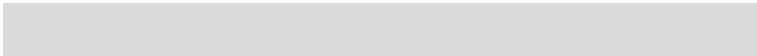
68, 2.234, 150.793

Sweetspot

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



68, 2.233, 280.760



87, 0.938, 280.660



69, 1.972, 181.956



46, 0.533, 280.664



94, 0.011, 296.813



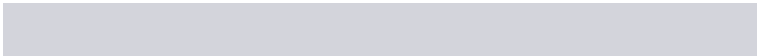
46, 0.006, 296.813

Same Dimension

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



68, 2.233, 280.760



85, 3.737, 280.872



68, 2.819, 301.330



34, 2.132, 280.933



20, 76.735, 301.953



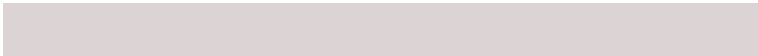
1, 7.975, 282.000

Inverse Universe

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



68, 1.987, 3.241



85, 3.332, 3.405



69, 2.787, 121.020



34, 1.903, 3.477



30, 61.339, 28.353



1, 6.798, 5.358

Previews

White Background



This preview shows how the CIELCh color 68, 2.234, 280.793 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, 2.234, 280.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

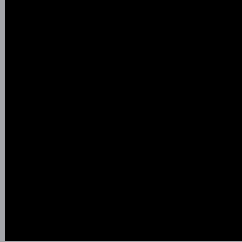
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

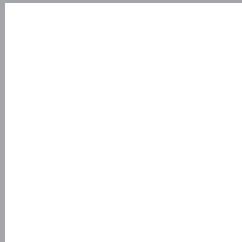
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 2.234, 280.793

Background



This preview shows how black text looks on a background with the CIELCh color 68, 2.234, 280.793.



This preview shows how white text looks on a background with the CIELCh color 68, 2.234, 280.793.

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, 2.234, 280.793

Protanopia

68, 2.344, 309.125

Deuteranopia

68, 8.798, 341.523



Tritanopia
68, 7.221, 296.763

Trichromacy



Original Color

68, 2.234, 280.793

Protanomaly

68, 2.247, 300.041

Deuteranomaly

68, 5.701, 337.371

Tritanomaly

68, 4.963, 290.696

Monochromacy



Original Color

68, 2.234, 280.793

Achromatopsia

68, 0.008, 296.813

Achromatomaly

68, 0.668, 256.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 2.234, 280.793 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(165, 166, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 170)  
}
```

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(165, 166, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 2.234, 280.793 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(165, 166, 170) }
```

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

```
.border{ border-color:rgb(165, 166, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 2.234, 280.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 170) }
```

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

```
.background{ background-color: rgb(165,  
166, 170) }
```

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