

Converting Colors

CIELCh(68, 1.903, 290.354)

Have a look what the booklet for
CIELCh(68, 1.903, 290.354) contains.

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Color

CIELCh(68, 2.210, 290.429)

Conversions

Conversions Part 1

Format	Color
Hex	A5A5A9
RGB	165, 165, 169
RGB Percent	65%, 65%, 66%
CMY	0.3514, 0.3514, 0.3357
CMYK	0.02, 0.02, 0.00, 0.34
HSL	240°, 2%, 66%
HSV	240°, 2%, 66%
XYZ	36.3225, 37.9720, 43.1443
YIQ	165.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

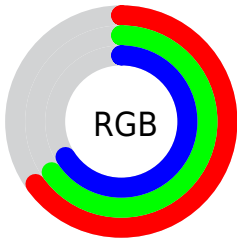
Format	Color
R_{YB}	165, 165, 169
Decimal	10855849
CIE Lab	68.00, 0.77, -2.07
CIE LCh	68, 2.210, 290.429
Yxy	37.9720, 0.3093, 0.3233
Android (android.graphics.Color)	4289045929 (0xFFA5A5A9)
YUV	165.4560, 1.7472, -0.3999
Hunter-Lab	61.6215, -2.6216, 1.6231

Details

The CIELCh color $68, 2.210, 290.429$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 2.181, 109.903$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 2.097, 290.384$, and $48, 2.365, 290.514$ is the 20% darker color. If you saturate the color by 10%, you get $62, 11.752, 291.438$, and if you desaturate by 10%, it is $74, 6.970, 109.469$.

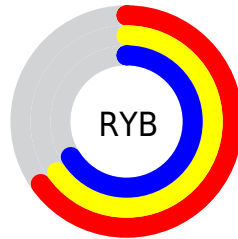
Distribution



Red (65%)

Green (65%)

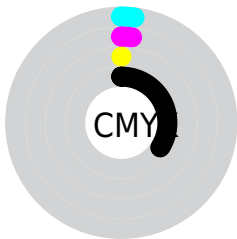
Blue (66%)



Red (65%)

Yellow (65%)

Blue (66%)

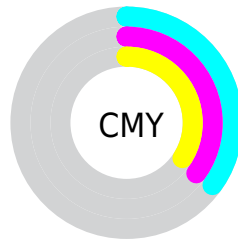


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (35%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 2.210, 290.429 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, 2.210, 290.429 by changing the saturation by 10% instead.

■ 68, 2.210, 290.429

■ 68, 2.210, 290.429

100, 2.210,
290.429

■ 58, 2.210, 290.429

■ 88, 2.210, 290.429

■ 48, 2.210, 290.429

■ 98, 2.210, 290.429

■ 38, 2.210, 290.429

■ 28, 2.210, 290.429

■ 18, 2.210, 290.429

■ 8, 2.210, 290.429

■ 0, 2.210, 290.429

■ 68, 2.210, 290.429

■ 68, 2.210, 290.429

■ 62, 11.752,

■ 74, 6.970, 109.469

291.438

80, 15.812,
108.708

56, 21.689,
292.680

85, 24.340,
108.054

50, 32.051,
294.140

91, 32.576,
107.491

44, 42.853,
295.839

97, 40.540,
107.005

39, 54.067,
297.777

98, 42.828,
106.907

33, 65.542,
299.906

28, 76.837,
302.088

24, 86.995,
304.072

21, 94.508,
305.525

Harmonies

Complementary

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



68, 2.210, 290.429



69, 2.181, 109.903

Rectangle

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



68, 2.210, 290.429



68, 2.210, 340.429



68, 2.210, 110.429



68, 2.210, 160.429

Sweetspot

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



68, 2.208, 290.402



87, 1.156, 290.306



69, 1.499, 198.203



46, 0.657, 290.304



94, 0.011, 296.813



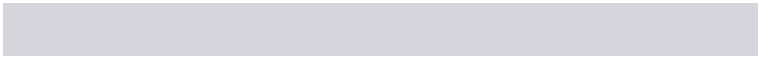
46, 0.006, 296.813

Same Dimension

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



68, 2.208, 290.402



85, 3.462, 290.463



68, 2.335, 308.544



34, 2.108, 290.525



16, 89.115, 306.276



0, 9.553, 290.154

Inverse Universe

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



68, 1.522, 19.167



86, 2.391, 19.281



69, 2.312, 128.425



35, 1.458, 19.365



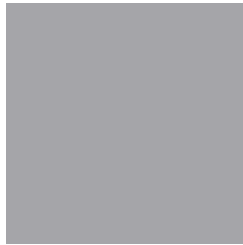
30, 69.001, 39.332



1, 6.572, 19.355

Previews

White Background



This preview shows how the CIELCh color 68, 2.210, 290.429 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, 2.210, 290.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

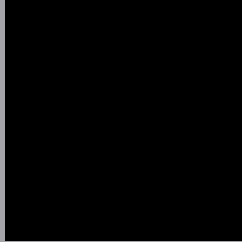
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 2.210, 290.429

Background



This preview shows how black text looks on a background with the CIELCh color 68, 2.210, 290.429.

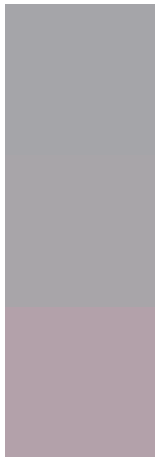


This preview shows how white text looks on a background with the CIELCh color 68, 2.210, 290.429.

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, 2.210, 290.429

Protanopia

68, 2.494, 317.324

Deuteranopia

68, 8.472, 344.440



Tritanopia
68, 7.273, 299.653

Trichromacy



Original Color
68, 2.210, 290.429

Protanomaly
68, 2.344, 309.125

Deuteranomaly
68, 5.701, 337.371

Tritanomaly
68, 4.982, 294.961

Monochromacy



Original Color
68, 2.210, 290.429

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.558, 290.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 2.210, 290.429 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, 165, 169)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 169)  
}
```

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, 165, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 2.210, 290.429 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, 165, 169) }
```

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

```
.border{ border-color:rgb(165, 165, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 169);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 2.210, 290.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 169) }
```

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

```
.background{ background-color: rgb(165,  
165, 169) }
```

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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