

Converting Colors

CIELCh(68, 1.027, 282.895)

Have a look what the booklet for
CIELCh(68, 1.027, 282.895) contains.

CIELCh(68, 0.668, 256.041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(68, 0.668, 256.041)

Conversions

Conversions Part 1

Format	Color
Hex	A5A6A7
RGB	165, 166, 167
RGB Percent	65%, 65%, 65%
CMY	0.3536, 0.3497, 0.3458
CMYK	0.01, 0.01, 0.00, 0.35
HSL	210°, 1%, 65%
HSV	210°, 1%, 65%
XYZ	36.0431, 37.9720, 41.9028
YIQ	165.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
RYB	165, 166, 167
Decimal	10856103
CIELab	68.00, -0.16, -0.65
CIELCh	68, 0.668, 256.041
Yxy	37.9720, 0.3109, 0.3276
Android (android.graphics.Color)	4289046183 (0xFFA5A6A7)
YUV	165.8150, 0.5842, -0.7148
Hunter-Lab	61.6215, -3.4308, 2.8176

Details

The CIELCh color $68, 0.668, 256.041$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 0.657, 74.633$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 0.636, 256.152$, and $48, 0.713, 255.962$ is the 20% darker color. If you saturate the color by 10%, you get $64, 6.161, 256.765$, and if you desaturate by 10%, it is $72, 4.862, 74.225$.

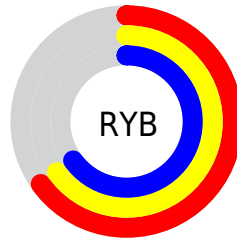
Distribution



Red (65%)

Green (65%)

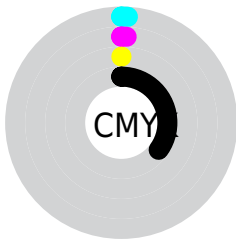
Blue (65%)



Red (65%)

Yellow (65%)

Blue (65%)

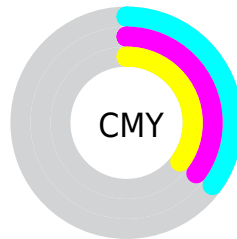


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 0.668, 256.041 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, 0.668, 256.041 by changing the saturation by 10% instead.

 68, 0.668, 256.041

 68, 0.668, 256.041

100, 0.668,
256.041

 58, 0.668, 256.041

 88, 0.668, 256.041

 48, 0.668, 256.041

 98, 0.668, 256.041

 38, 0.668, 256.041

 28, 0.668, 256.041

 18, 0.668, 256.041

 8, 0.668, 256.041

 0, 0.668, 256.041

 68, 0.668, 256.041

 68, 0.668, 256.041

 64, 6.161, 256.765

 72, 4.862, 74.225

61, 11.598,
258.286

75, 10.408, 73.305

57, 16.958,
260.109

79, 15.953, 72.492

54, 22.221,
262.281

82, 21.483, 71.779

51, 27.378,
264.858

88, 30.054, 76.543

47, 32.434,
267.891

90, 32.085, 85.122

44, 37.421,
271.406

93, 34.747, 92.468

41, 42.395,
275.382

95, 37.891, 98.613

38, 47.437,
279.725

Harmonies

Complementary

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



68, 0.668, 256.041



68, 0.657, 74.633

Rectangle

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



68, 0.668, 256.041



68, 0.668, 306.041



68, 0.668, 76.041



68, 0.668, 126.041

Sweetspot

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



68, 0.667, 255.888



87, 0.010, 296.813



68, 0.945, 163.040



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



68, 0.667, 255.888



86, 0.691, 255.951



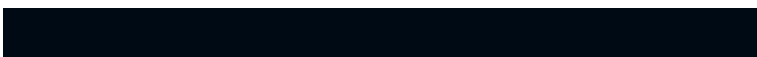
68, 1.090, 289.681



36, 0.318, 255.994



32, 47.154, 283.065



2, 6.096, 262.454

Inverse Universe

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



68, 0.948, 343.296



86, 0.980, 343.216



68, 1.071, 109.339



36, 0.451, 343.168



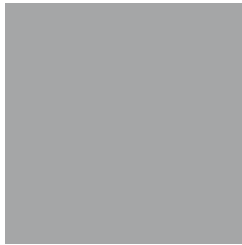
31, 56.560, 1.048



2, 7.806, 347.508

Previews

White Background



This preview shows how the CIELCh color 68, 0.668, 256.041 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, 0.668, 256.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

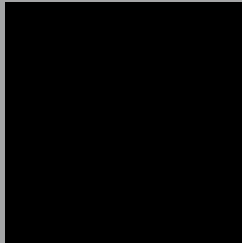
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

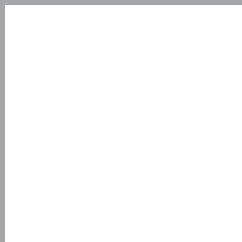
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 0.668, 256.041

Background



This preview shows how black text looks on a background with the CIELCh color 68, 0.668, 256.041.

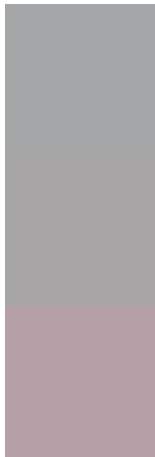


This preview shows how white text looks on a background with the CIELCh color 68, 0.668, 256.041.

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, 0.668, 256.041

Protanopia

68, 1.273, 353.530

Deuteranopia

68, 9.174, 351.624



Tritanopia
68, 7.221, 296.763

Trichromacy



Original Color

68, 0.668, 256.041

Protanomaly

68, 0.947, 343.372

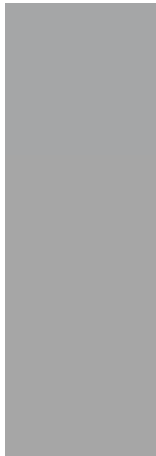
Deuteranomaly

68, 5.970, 346.341

Tritanomaly

68, 4.433, 295.448

Monochromacy



Original Color

68, 0.668, 256.041

Achromatopsia

68, 0.008, 296.813

Achromatomaly

68, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 0.668, 256.041 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 0.668, 256.041 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, 167) }
```

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

```
.border{ border-color:rgb(165, 166, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 0.668, 256.041 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, 167) }
```

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

```
.background{ background-color: rgb(165,  
166, 167) }
```

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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