

Converting Colors

CIELCh(67, 1.065, 39.660)

Have a look what the booklet for
CIELCh(67, 1.065, 39.660) contains.

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Color

CIELCh(67, 0.931, 55.104)

Conversions

Conversions Part 1

Format	Color
Hex	A5A3A2
RGB	165, 163, 162
RGB Percent	65%, 64%, 64%
CMY	0.3543, 0.3621, 0.3660
CMYK	0.00, 0.01, 0.02, 0.35
HSL	20°, 2%, 64%
HSV	20°, 2%, 65%
XYZ	34.9733, 36.6320, 39.2509
YIQ	163.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

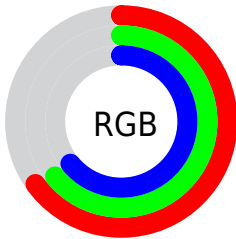
Format	Color
RYB	165, 164, 162
Decimal	10855330
CIELab	67.00, 0.53, 0.76
CIELCh	67, 0.931, 55.104
Yxy	36.6320, 0.3155, 0.3304
Android (android.graphics.Color)	4289045410 (0xFFA5A3A2)
YUV	163.4840, -0.7316, 1.3295
Hunter-Lab	60.5244, -2.7734, 3.9166

Details

The CIELCh color $67, 0.931, 55.104$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 0.931, 236.413$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 0.880, 54.996$, and $47, 1.001, 55.178$ is the 20% darker color. If you saturate the color by 10%, you get $64, 6.278, 54.838$, and if you desaturate by 10%, it is $70, 4.071, 236.577$.

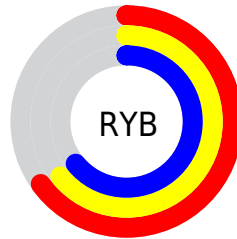
Distribution



Red (65%)

Green (64%)

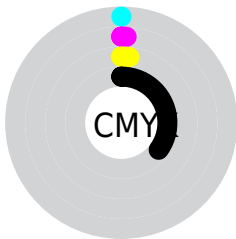
Blue (64%)



Red (65%)

Yellow (64%)

Blue (64%)

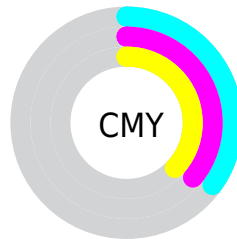


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (35%)



Cyan (35%)

Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 0.931, 55.104 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 67, 0.931, 55.104 by changing the saturation by 10% instead.

 67, 0.931, 55.104  67, 0.931, 55.104

100, 0.931, 55.104  57, 0.931, 55.104

 87, 0.931, 55.104  47, 0.931, 55.104

 97, 0.931, 55.104  37, 0.931, 55.104

 27, 0.931, 55.104

 17, 0.931, 55.104

 7, 0.931, 55.104

 0, 0.931, 55.104

 67, 0.931, 55.104  67, 0.931, 55.104

 64, 6.278, 54.838  70, 4.071, 236.577

60, 12.010, 54.139

74, 8.766, 237.331

57, 18.162, 53.479

77, 13.191,
238.126

54, 24.761, 52.888

81, 17.378,
238.922

51, 31.809, 52.383

48, 39.265, 51.961

84, 21.357,
239.708

45, 46.996, 51.583

87, 23.676,
234.555

43, 54.680, 51.123

41, 61.631, 50.277

90, 24.305,
217.671

93, 26.730,
202.967

95, 28.179,
197.681

Harmonies

Complementary

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



67, 0.931, 55.104



67, 0.931, 236.413

Rectangle

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



67, 0.931, 55.104



67, 0.931, 105.104



67, 0.931, 235.104



67, 0.931, 285.104

Sweetspot

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



67, 0.931, 55.224



85, 0.630, 54.926



67, 1.601, 335.601



45, 0.357, 54.880



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



67, 0.931, 55.224



85, 1.269, 55.256



67, 1.378, 102.053



34, 0.575, 55.229



34, 60.614, 49.863



2, 4.478, 51.902

Inverse Universe

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



67, 0.931, 236.413



85, 1.266, 236.383



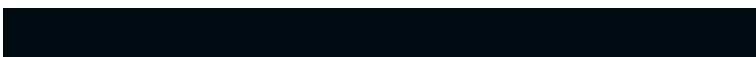
67, 1.397, 282.616



34, 0.574, 236.408



39, 33.763, 261.159



3, 4.524, 242.929

Previews

White Background



This preview shows how the CIELCh color 67, 0.931, 55.104 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 67, 0.931, 55.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

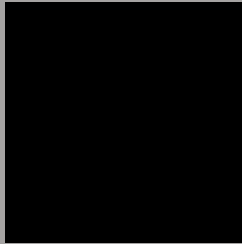
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

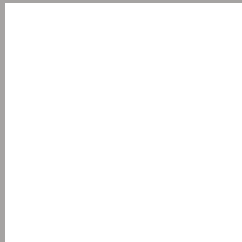
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 0.931, 55.104

Background



This preview shows how black text looks on a background with the CIELCh color 67, 0.931, 55.104.

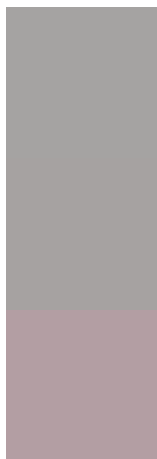


This preview shows how white text looks on a background with the CIELCh color 67, 0.931, 55.104.

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


67, 0.931, 55.104

Protanopia

67, 1.619, 39.125

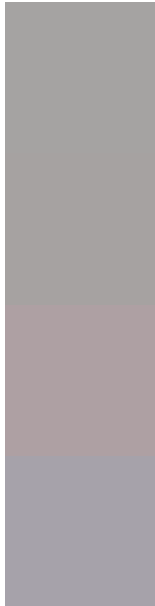
Deuteranopia

67, 8.567, 1.459



Tritanopia
67, 7.454, 305.307

Trichromacy



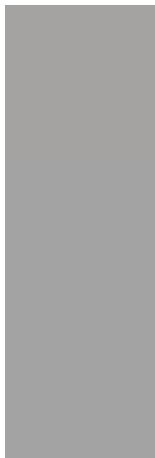
Original Color
67, 0.931, 55.104

Protanomaly
67, 1.619, 39.125

Deuteranomaly
67, 5.637, 2.827

Tritanomaly
67, 4.691, 309.249

Monochromacy



Original Color
67, 0.931, 55.104

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 0.381, 18.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 0.931, 55.104 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, 163, 162)` looks like.

```
.text, #text, p{  
    color:rgb(165, 163, 162)  
}
```

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, 163, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 163, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 0.931, 55.104 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, 163, 162) }
```

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

```
.border{ border-color:rgb(165, 163, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 163, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 163, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 163, 162);  
box-shadow:4px 4px 4px 4px rgb(165, 163,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 0.931, 55.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 163, 162) }
```

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

```
.background{ background-color: rgb(165,  
163, 162) }
```

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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