

Converting Colors

CIELCh(67, 0.931, 232.021)

Have a look what the booklet for
CIELCh(67, 0.931, 232.021) contains.

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Color

CIELCh(67, 0.932, 236.292)

Conversions

Conversions Part 1

Format	Color
Hex	A1A3A4
RGB	161, 163, 164
RGB Percent	63%, 64%, 64%
CMY	0.3672, 0.3593, 0.3554
CMYK	0.02, 0.01, 0.00, 0.36
HSL	200°, 2%, 64%
HSV	200°, 2%, 64%
XYZ	34.6668, 36.6320, 40.5378
YIQ	162.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

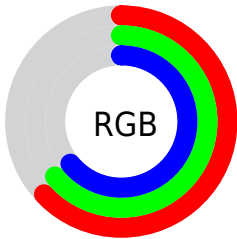
Format	Color
RYB	161, 162, 164
Decimal	10593188
CIELab	67.00, -0.52, -0.78
CIELCh	67, 0.932, 236.292
Yxy	36.6320, 0.3100, 0.3275
Android (android.graphics.Color)	4288783268 (0xFFA1A3A4)
YUV	162.5160, 0.7316, -1.3295
Hunter-Lab	60.5244, -3.6774, 2.6560

Details

The CIELCh color $67, 0.932, 236.292$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 0.932, 54.989$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 0.885, 236.395$, and $47, 0.716, 255.959$ is the 20% darker color. If you saturate the color by 10%, you get $64, 5.915, 236.705$, and if you desaturate by 10%, it is $70, 4.210, 54.890$.

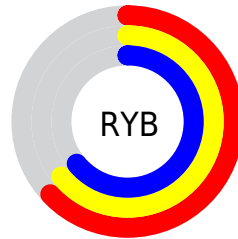
Distribution



Red (63%)

Green (64%)

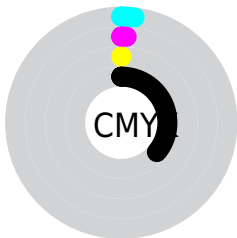
Blue (64%)



Red (63%)

Yellow (64%)

Blue (64%)

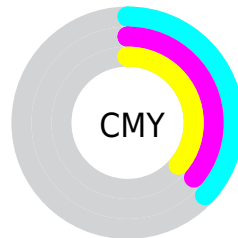


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (36%)



Cyan (37%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 0.932, 236.292 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, 0.932, 236.292 by changing the saturation by 10% instead.

■ 67, 0.932, 236.292

■ 67, 0.932, 236.292

■ 100, 0.932,
236.292

■ 57, 0.932, 236.292

■ 87, 0.932, 236.292

■ 47, 0.932, 236.292

■ 97, 0.932, 236.292

■ 37, 0.932, 236.292

■ 27, 0.932, 236.292

■ 17, 0.932, 236.292

■ 7, 0.932, 236.292

■ 0, 0.932, 236.292

■ 67, 0.932, 236.292

■ 67, 0.932, 236.292

■ 64, 5.915, 236.705

■ 70, 4.210, 54.890

62, 10.692,
237.804

73, 9.471, 54.351

59, 15.215,
239.200

75, 14.818, 53.884

56, 19.430,
240.947

78, 20.224, 53.496

54, 23.292,
243.118

81, 25.664, 53.175

52, 26.768,
245.798

84, 29.390, 54.960

49, 29.854,
249.064

85, 29.394, 61.506

47, 32.588,
252.969

86, 29.789, 67.953

45, 35.061,
257.503

88, 30.559, 74.137

Harmonies

Complementary

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



67, 0.932, 236.292



67, 0.932, 54.989

Rectangle

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



67, 0.932, 236.292



67, 0.932, 286.292



67, 0.932, 56.292



67, 0.932, 106.292

Sweetspot

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



67, 0.932, 236.177



85, 0.636, 236.466



67, 1.608, 155.030



45, 0.361, 236.510



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, 0.932, 236.177



85, 1.266, 236.147



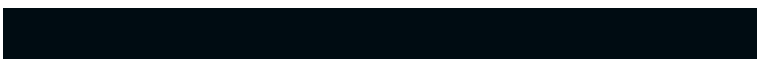
67, 1.374, 281.677



34, 0.574, 236.172



39, 33.652, 260.836



3, 4.521, 242.696

Inverse Universe

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



67, 1.604, 335.563



85, 2.180, 335.597



67, 1.356, 101.095



34, 0.988, 335.567



32, 59.751, 346.859



1, 7.353, 338.166

Previews

White Background



This preview shows how the CIELCh color 67, 0.932, 236.292 looks on a white background.

Color Contrast Check

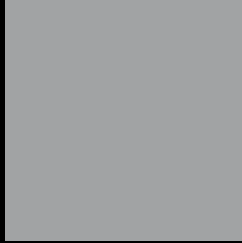
Large Text (above 18pt) WCAG AA × Fail

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 67, 0.932, 236.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

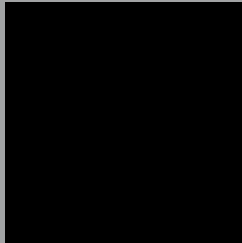
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

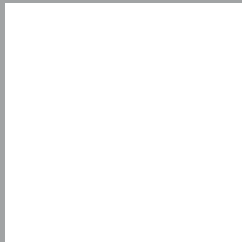
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 0.932, 236.292

Background



This preview shows how black text looks on a background with the CIELCh color 67, 0.932, 236.292.

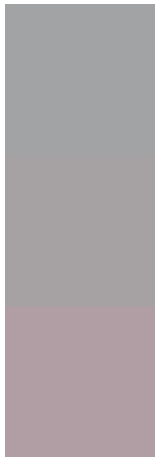


This preview shows how white text looks on a background with the CIELCh color 67, 0.932, 236.292.

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, 0.932, 236.292

Protanopia

67, 1.894, 343.657

Deuteranopia

67, 8.263, 352.337



Tritanopia
67, 7.204, 293.854

Trichromacy



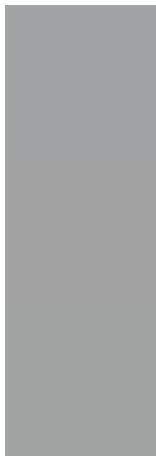
Original Color
67, 0.932, 236.292

Protanomaly
67, 1.355, 324.343

Deuteranomaly
67, 5.044, 346.644

Tritanomaly
67, 4.980, 290.704

Monochromacy



Original Color
67, 0.932, 236.292

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 0.378, 200.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 0.932, 236.292 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(161, 163, 164)` looks like.

```
.text, #text, p{  
    color:rgb(161, 163, 164)  
}
```

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(161, 163, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 163, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 0.932, 236.292 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(161, 163, 164) }
```

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

```
.border{ border-color:rgb(161, 163, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 163, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 163, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 163, 164);  
box-shadow:4px 4px 4px 4px rgb(161, 163,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 0.932, 236.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 163, 164) }
```

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

```
.background{ background-color: rgb(161,  
163, 164) }
```

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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