

Converting Colors

CIELCh(67, 36.679, 240.031)

Have a look what the booklet for
CIELCh(67, 36.679, 240.031)
contains.

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Color

CIELCh(67, 36.552, 239.868)

Conversions

Conversions Part 1

Format	Color
Hex	37AFDB
RGB	55, 175, 219
RGB Percent	22%, 69%, 86%
CMY	0.7837, 0.3134, 0.1408
CMYK	0.75, 0.20, 0.00, 0.14
HSL	196°, 70%, 54%
HSV	196°, 75%, 86%
XYZ	29.7304, 36.6320, 72.5888
YIQ	144.1360, -85.6440, -11.7560

Conversions

Conversions Part 2

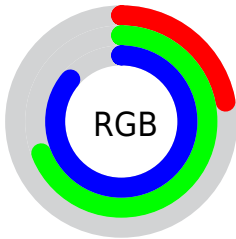
Format	Color
RYB	55, 124, 219
Decimal	3649499
CIELab	67.00, -18.35, -31.61
CIELCh	67, 36.552, 239.868
Yxy	36.6320, 0.2140, 0.2636
Android (android.graphics.Color)	4281839579 (0xFF37AFDB)
YUV	144.1360, 36.9080, -78.1723
Hunter-Lab	60.5244, -18.2358, -28.7414

Details

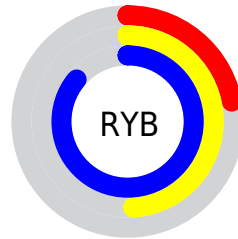
The CIELCh color **67, 36.552, 239.868** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **56, 64.319, 46.433**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 32.427, 220.672**, and **48, 33.024, 247.036** is the 20% darker color. If you saturate the color by 10%, you get **65, 38.971, 243.654**, and if you desaturate by 10%, it is **69, 33.530, 236.766**.

Distribution



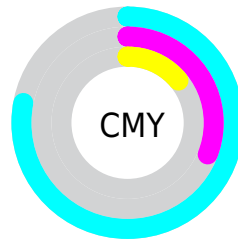
- Red (22%)
- Green (69%)
- Blue (86%)



- Red (22%)
- Yellow (49%)
- Blue (86%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)





- Cyan (78%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 36.552, 239.868 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, 36.552, 239.868 by changing the saturation by 10% instead.

 67, 36.552,
239.868


 67, 36.552,
239.868

 100, 36.552,
239.868


 57, 36.552,
239.868


 87, 36.552,
239.868

 47, 36.552,
239.868

 97, 36.552,
239.868

 37, 36.552,
239.868

 27, 36.552,
239.868

 17, 36.552,
239.868

 7, 36.552, 239.868

 0, 36.552, 239.868

67, 36.552,
239.868

67, 36.552,
239.868

65, 38.971,
243.654

69, 33.530,
236.766

63, 40.928,
248.133

72, 29.853,
234.279

62, 41.880,
250.596

74, 25.530,
232.315

77, 20.614,
230.781

80, 15.182,
229.596

83, 9.318, 228.699

86, 3.105, 228.114

89, 3.382, 47.234

Harmonies

Complementary

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



67, 36.552, 239.868



56, 64.319, 46.433

Rectangle

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



67, 36.552, 239.868



67, 36.552, 289.868



67, 36.552, 59.868



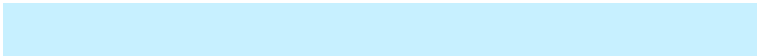
67, 36.552, 109.868

Sweetspot

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



67, 36.551, 239.868



92, 15.333, 229.333



78, 80.850, 144.531



48, 10.221, 229.606



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 36.551, 239.868



73, 45.056, 246.236



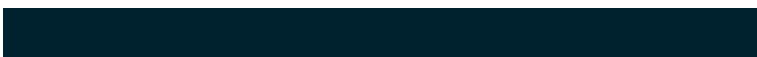
44, 74.592, 293.952



45, 3.617, 228.328



50, 34.977, 249.749



11, 13.393, 240.158

Inverse Universe

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



53, 77.744, 339.226



58, 93.438, 341.334



75, 65.211, 88.790



43, 6.632, 333.633



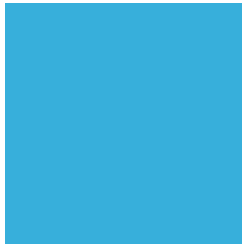
39, 70.643, 342.533



6, 28.627, 339.505

Previews

White Background



This preview shows how the CIE LCh color 67, 36.552, 239.868 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, 36.552, 239.868 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, 36.552, 239.868

Background



This preview shows how black text looks on a background with the CIELCh color 67, 36.552, 239.868.

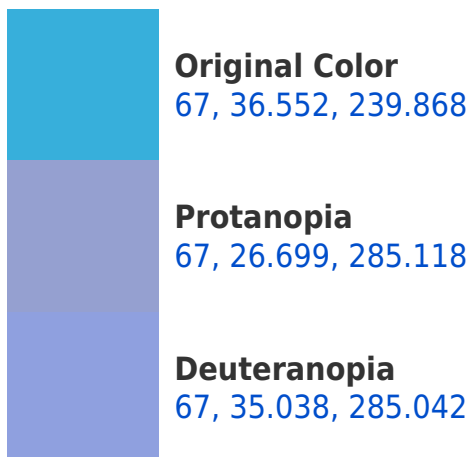


This preview shows how white text looks on a background with the CIELCh color 67, 36.552, 239.868.

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





Tritanopia
67, 35.857, 209.374

Trichromacy



Original Color
67, 36.552, 239.868



Protanomaly
66, 29.372, 262.003



Deuteranomaly
66, 34.384, 266.445



Tritanomaly
67, 35.087, 220.535

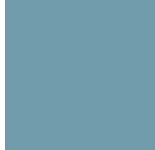
Monochromacy



Original Color
67, 36.552, 239.868



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 16.745, 231.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 36.552, 239.868 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(55, 175, 219)` looks like.

```
.text, #text, p{  
    color:rgb(55, 175, 219)  
}
```

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(55, 175, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 175, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 36.552, 239.868 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(55, 175, 219) }
```

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

```
.border{ border-color:rgb(55, 175, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 175, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 175, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 175, 219);  
box-shadow:4px 4px 4px 4px rgb(55, 175,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 36.552, 239.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 175, 219) }
```

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

```
.background{ background-color: rgb(55, 175,  
219) }
```

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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