

Converting Colors

CIELCh(67, 39.197, 236.203)

Have a look what the booklet for
CIELCh(67, 39.197, 236.203)
contains.

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Color

CIELCh(67, 39.220, 236.174)

Conversions

Conversions Part 1

Format	Color
Hex	0AB1DD
RGB	10, 177, 221
RGB Percent	4%, 69%, 87%
CMY	0.9613, 0.3067, 0.1342
CMYK	0.96, 0.20, 0.00, 0.13
HSL	193°, 91%, 45%
HSV	193°, 96%, 87%
XYZ	28.8243, 36.6320, 73.8027
YIQ	132.0830, -113.6560, -21.7200

Conversions

Conversions Part 2

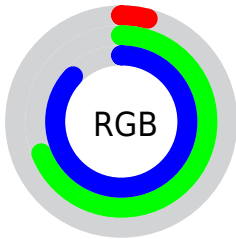
Format	Color
RYB	10, 103, 221
Decimal	700893
CIELab	67.00, -21.83, -32.58
CIELCh	67, 39.220, 236.174
Yxy	36.6320, 0.2070, 0.2630
Android (android.graphics.Color)	4278890973 (0xFF0AB1DD)
YUV	132.0830, 43.8361, -107.0668
Hunter-Lab	60.5244, -20.9082, -29.9305

Details

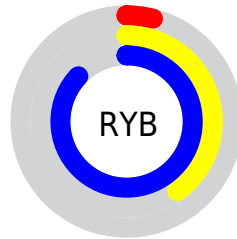
The CIELCh color **67, 39.220, 236.174** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **49, 85.956, 43.468**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.792, 216.349**, and **48, 33.214, 246.455** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.651, 237.957**, and if you desaturate by 10%, it is **69, 38.047, 232.467**.

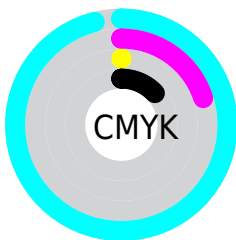
Distribution



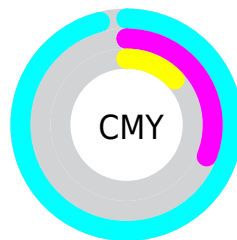
- Red (4%)
- Green (69%)
- Blue (87%)



- Red (4%)
- Yellow (40%)
- Blue (87%)



- Cyan (96%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)




- Cyan (96%)
- Magenta (31%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 39.220, 236.174 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, 39.220, 236.174 by changing the saturation by 10% instead.


 67, 39.220,
236.174


 67, 39.220,
236.174


 100, 39.220,
236.174


 57, 39.220,
236.174


 87, 39.220,
236.174

 47, 39.220,
236.174

 97, 39.220,
236.174

 37, 39.220,
236.174

 27, 39.220,
236.174

 17, 39.220,
236.174

 7, 39.220, 236.174

 0, 39.220, 236.174

67, 39.220,
236.174

67, 39.220,
236.174

66, 39.651,
237.957

69, 38.047,
232.467

70, 36.237,
229.415

72, 33.669,
226.975

74, 30.308,
225.066

76, 26.180,
223.600

79, 21.355,
222.496

81, 15.926,
221.684

84, 9.993, 221.112

Harmonies

Complementary

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



67, 39.220, 236.174



49, 85.956, 43.468

Rectangle

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



67, 39.220, 236.174



67, 39.220, 286.174



67, 39.220, 56.174



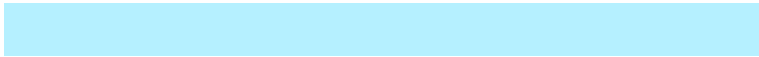
67, 39.220, 106.174

Sweetspot

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



67, 39.219, 236.174



91, 20.069, 221.954



77, 99.380, 139.014



47, 13.549, 222.312



0, 0.000, 0.000



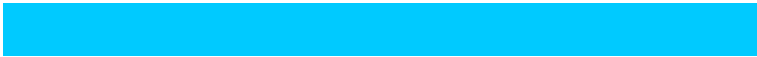
53, 0.007, 296.813

Same Dimension

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



67, 39.219, 236.174



76, 44.259, 238.326



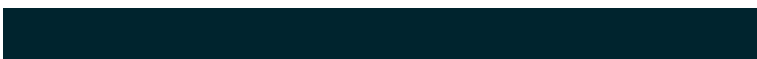
38, 89.034, 297.331



45, 3.692, 220.877



53, 33.040, 237.222



12, 13.102, 229.417

Inverse Universe

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



50, 87.812, 338.312



58, 98.039, 338.940



69, 73.230, 79.477



43, 6.921, 331.392



39, 73.698, 338.623



6, 29.839, 336.460

Previews

White Background



This preview shows how the CIE LCh color 67, 39.220, 236.174 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, 39.220, 236.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

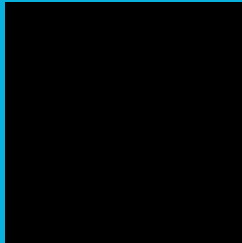
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 39.220, 236.174

Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.220, 236.174.

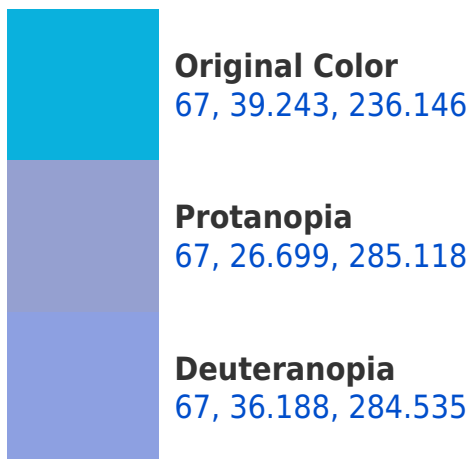


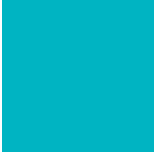
This preview shows how white text looks on a background with the CIELCh color 67, 39.220, 236.174.

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, 37.239, 208.804

Trichromacy



Original Color
67, 39.243, 236.146



Protanomaly
65, 31.572, 254.821



Deuteranomaly
66, 36.236, 260.120



Tritanomaly
67, 37.061, 219.070

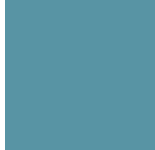
Monochromacy



Original Color
67, 39.243, 236.146



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 20.920, 223.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 39.220, 236.174 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(10, 177, 221)` looks like.

```
.text, #text, p{  
    color:rgb(10, 177, 221)  
}
```

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(10, 177, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 177, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 39.220, 236.174 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(10, 177, 221) }
```

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

```
.border{ border-color:rgb(10, 177, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 177, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 177, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 177, 221);  
box-shadow:4px 4px 4px 4px rgb(10, 177,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 39.220, 236.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 177, 221) }
```

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

```
.background{ background-color: rgb(10, 177,  
221) }
```

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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