

Converting Colors

CIELCh(67, 39.487, 245.439)

Have a look what the booklet for
CIELCh(67, 39.487, 245.439)
contains.

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Color

CIELCh(67, 39.453, 245.091)

Conversions

Conversions Part 1

Format	Color
Hex	2DAFE3
RGB	45, 175, 227
RGB Percent	18%, 69%, 89%
CMY	0.8219, 0.3150, 0.1111
CMYK	0.80, 0.23, 0.00, 0.11
HSL	197°, 76%, 53%
HSV	197°, 80%, 89%
XYZ	30.1879, 36.6320, 77.9116
YIQ	142.0580, -94.1720, -11.3880

Conversions

Conversions Part 2

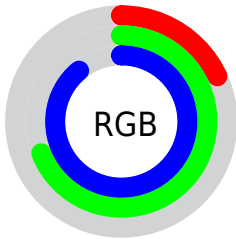
Format	Color
RYB	45, 121, 227
Decimal	2994147
CIELab	67.00, -16.62, -35.78
CIELCh	67, 39.453, 245.091
Yxy	36.6320, 0.2086, 0.2531
Android (android.graphics.Color)	4281184227 (0xFF2DAFE3)
YUV	142.0580, 41.8764, -85.1199
Hunter-Lab	60.5244, -16.8866, -33.9556

Details

The CIELCh color **67, 39.453, 245.091** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **57, 70.827, 47.755**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 33.196, 220.067**, and **48, 35.181, 252.120** is the 20% darker color. If you saturate the color by 10%, you get **65, 41.927, 249.437**, and if you desaturate by 10%, it is **69, 36.481, 241.446**.

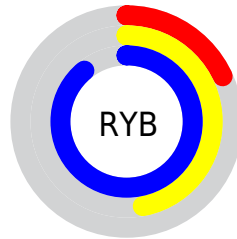
Distribution



Red (18%)

Green (69%)

Blue (89%)



Red (18%)

Yellow (47%)

Blue (89%)

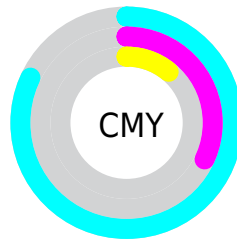


Cyan (80%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (82%)


Magenta (32%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 39.453, 245.091 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, 39.453, 245.091 by changing the saturation by 10% instead.


 67, 39.453,
245.091


 67, 39.453,
245.091


 100, 39.453,
245.091


 57, 39.453,
245.091


 87, 39.453,
245.091

 47, 39.453,
245.091

 97, 39.453,
245.091

 37, 39.453,
245.091

 27, 39.453,
245.091

 17, 39.453,
245.091

 7, 39.453, 245.091

 0, 39.453, 245.091

■ 67, 39.453,
245.091

■ 67, 39.453,
245.091

■ 65, 41.927,
249.437

■ 69, 36.481,
241.446

■ 63, 44.142,
254.321

■ 72, 32.907,
238.470

■ 63, 44.151,
254.340

■ 75, 28.699,
236.085

■ 78, 23.884,
234.198

■ 81, 18.524,
232.719

■ 84, 12.699,
231.571

■ 87, 6.491, 230.708

■ 90, 0.024, 26.272

Harmonies

Complementary

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



67, 39.453, 245.091



57, 70.827, 47.755

Rectangle

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



67, 39.453, 245.091



67, 39.453, 295.091



67, 39.453, 65.091



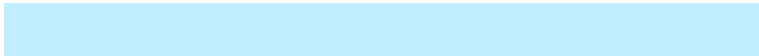
67, 39.453, 115.091

Sweetspot

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



67, 39.452, 245.091



91, 16.610, 232.016



80, 86.104, 144.149



48, 11.292, 232.438



0, 0.000, 0.000



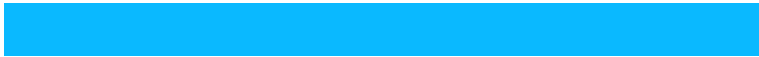
53, 0.007, 296.813

Same Dimension

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



67, 39.452, 245.091



71, 47.433, 252.692



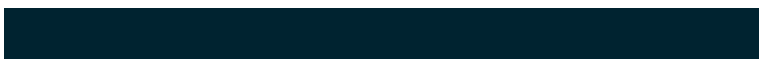
42, 84.474, 296.434



45, 3.674, 230.672



49, 36.277, 253.419



12, 14.069, 244.012

Inverse Universe

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



53, 81.449, 340.907



57, 92.765, 343.578



77, 70.884, 89.311



44, 6.671, 334.364



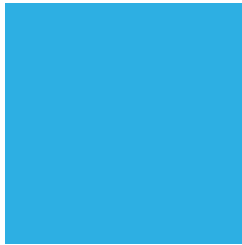
39, 70.527, 343.850



7, 29.629, 340.670

Previews

White Background



This preview shows how the CIELCh color 67, 39.453, 245.091 looks on a white background.

Color Contrast Check

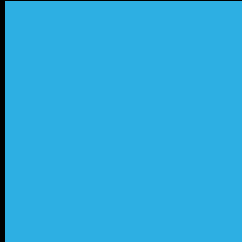
Large Text (above 18pt) WCAG AA × Fail

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, 39.453, 245.091 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, 39.453, 245.091

Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.453, 245.091.

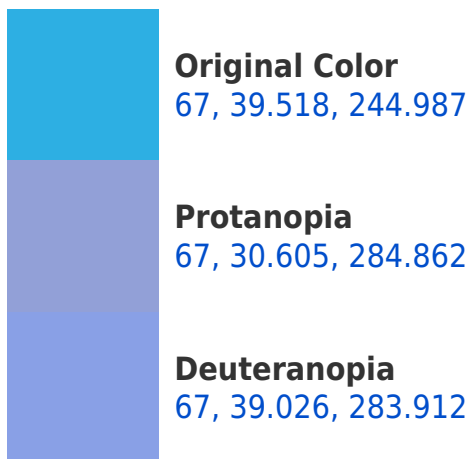


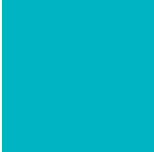
This preview shows how white text looks on a background with the CIELCh color 67, 39.453, 245.091.

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, 39.518, 244.987



Protanomaly
66, 33.200, 263.985



Deuteranomaly
66, 38.292, 267.662



Tritanomaly
67, 36.732, 222.250

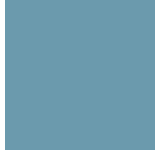
Monochromacy



Original Color
67, 39.518, 244.987



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 18.471, 233.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 39.453, 245.091 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(45, 175, 227)` looks like.

```
.text, #text, p{  
    color:rgb(45, 175, 227)  
}
```

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(45, 175, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 175, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 39.453, 245.091 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(45, 175, 227) }
```

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

```
.border{ border-color:rgb(45, 175, 227) }
```

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

Here you see how a box with a 4 pixel rgb(45, 175, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 175, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 175, 227);  
box-shadow:4px 4px 4px 4px rgb(45, 175,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 39.453, 245.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 175, 227) }
```

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

```
.background{ background-color: rgb(45, 175,  
227) }
```

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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