

Converting Colors

CIELCh(67, 41.294, 249.493)

Have a look what the booklet for
CIELCh(67, 41.294, 249.493)
contains.

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Color

CIELCh(67, 41.294, 249.493)

Conversions

Conversions Part 1

Format	Color
Hex	2DAEE8
RGB	45, 174, 232
RGB Percent	18%, 68%, 91%
CMY	0.8239, 0.3178, 0.0904
CMYK	0.81, 0.25, 0.00, 0.09
HSL	199°, 80%, 54%
HSV	199°, 81%, 91%
XYZ	30.7625, 36.6320, 81.7547
YIQ	142.0410, -95.5020, -9.3100

Conversions

Conversions Part 2

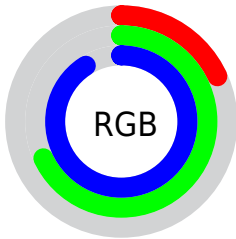
Format	Color
R _Y B	45, 121, 232
Decimal	2993896
CIE Lab	67.00, -14.47, -38.68
CIE LCh	67, 41.294, 249.493
Yxy	36.6320, 0.2063, 0.2456
Android (android.graphics.Color)	4281183976 (0xFF2DAEE8)
YUV	142.0410, 44.3498, -85.1050
Hunter-Lab	60.5244, -15.1922, -37.7203

Details

The CIELCh color **67, 41.294, 249.493** 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 **59, 72.065, 49.344**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 32.825, 222.448**, and **48, 37.422, 257.181** is the 20% darker color. If you saturate the color by 10%, you get **65, 44.157, 254.071**, and if you desaturate by 10%, it is **70, 38.012, 245.599**.

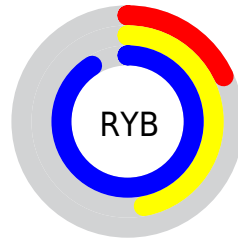
Distribution



Red (18%)

Green (68%)

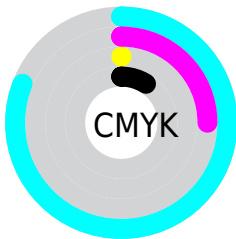
Blue (91%)



Red (18%)

Yellow (47%)

Blue (91%)

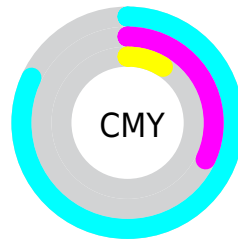


Cyan (81%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (82%)

Magenta (32%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 41.294, 249.493 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, 41.294, 249.493 by changing the saturation by 10% instead.

■ 67, 41.294,
249.493

■ 67, 41.294,
249.493

■ 100, 41.294,
249.493

■ 57, 41.294,
249.493

■ 87, 41.294,
249.493

■ 47, 41.294,
249.493

■ 97, 41.294,
249.493

■ 37, 41.294,
249.493

■ 27, 41.294,
249.493

■ 17, 41.294,
249.493

■ 7, 41.294, 249.493

■ 0, 41.294, 249.493

67, 41.294,
249.493

67, 41.294,
249.493

65, 44.157,
254.071

70, 38.012,
245.599

62, 46.682,
258.791

72, 34.192,
242.382

75, 29.784,
239.778

78, 24.804,
237.696

82, 19.304,
236.045

85, 13.357,
234.747

88, 7.042, 233.749

92, 0.433, 234.143

Harmonies

Complementary

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



67, 41.294, 249.493



59, 72.065, 49.344

Rectangle

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



67, 41.294, 249.493



67, 41.294, 299.493



67, 41.294, 69.493



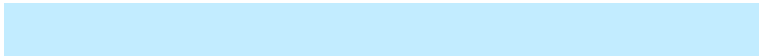
67, 41.294, 119.493

Sweetspot

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



67, 41.293, 249.494



91, 16.628, 235.164



81, 87.096, 144.576



47, 11.313, 235.632



0, 0.000, 0.000



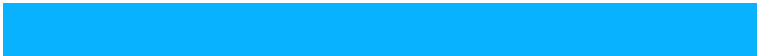
53, 0.007, 296.813

Same Dimension

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



67, 41.293, 249.494



69, 49.405, 257.552



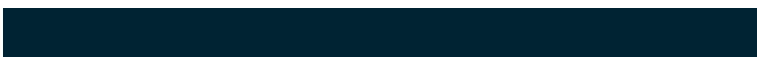
42, 88.842, 297.443



46, 3.738, 233.652



49, 38.037, 257.836



12, 14.893, 248.638

Inverse Universe

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



54, 82.006, 342.391



57, 91.389, 345.462



80, 73.259, 90.470



45, 6.683, 335.317



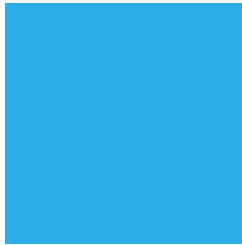
40, 70.219, 345.578



7, 30.345, 342.160

Previews

White Background



This preview shows how the CIE LCh color 67, 41.294, 249.493 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, 41.294, 249.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

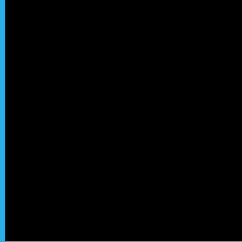
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

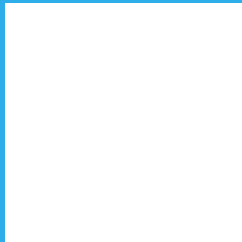
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 41.294, 249.493

Background



This preview shows how black text looks on a background with the CIELCh color 67, 41.294, 249.493.

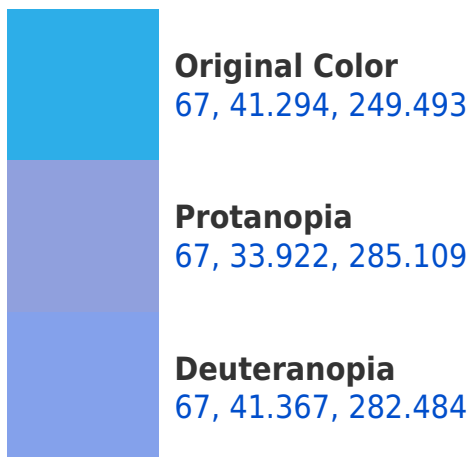


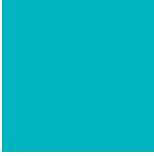
This preview shows how white text looks on a background with the CIELCh color 67, 41.294, 249.493.

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, 41.294, 249.493



Protanomaly
66, 36.067, 266.959



Deuteranomaly
66, 40.548, 268.030



Tritanomaly
67, 36.962, 224.046

Monochromacy



Original Color
67, 41.294, 249.493



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 19.016, 237.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 41.294, 249.493 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, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(45, 174, 232)  
}
```

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, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 174, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 41.294, 249.493 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, 174, 232) }
```

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

```
.border{ border-color:rgb(45, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(45, 174,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 41.294, 249.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 174, 232) }
```

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

```
.background{ background-color: rgb(45, 174,  
232) }
```

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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