

Converting Colors

CIELCh(67, 32.516, 235.819)

Have a look what the booklet for
CIELCh(67, 32.516, 235.819)
contains.

CIELCh(67, 32.516, 235.819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 32.516, 235.819)

Conversions

Conversions Part 1

Format	Color
Hex	4AAFD3
RGB	74, 175, 211
RGB Percent	29%, 69%, 83%
CMY	0.7116, 0.3152, 0.1741
CMYK	0.65, 0.17, 0.00, 0.17
HSL	196°, 61%, 56%
HSV	196°, 65%, 83%
XYZ	29.7518, 36.6320, 66.8711
YIQ	148.9050, -71.7520, -10.2160

Conversions

Conversions Part 2

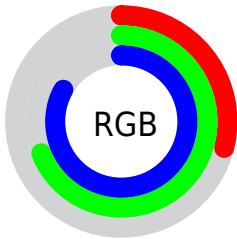
Format	Color
RYB	74, 132, 211
Decimal	4894675
CIELab	67.00, -18.27, -26.90
CIELCh	67, 32.516, 235.819
Yxy	36.6320, 0.2233, 0.2749
Android (android.graphics.Color)	4283084755 (0xFF4AAFD3)
YUV	148.9050, 30.6128, -65.6917
Hunter-Lab	60.5244, -18.1730, -23.1403

Details

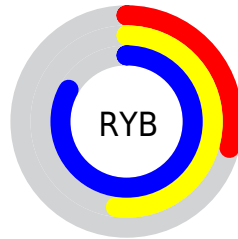
The CIELCh color **67, 32.516, 235.819** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **57, 52.752, 45.728**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 30.000, 222.788**, and **47, 30.711, 238.856** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.386, 238.858**, and if you desaturate by 10%, it is **69, 28.997, 233.386**.

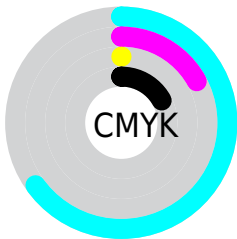
Distribution



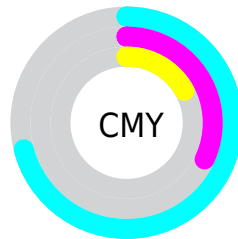
- Red (29%)
- Green (69%)
- Blue (83%)



- Red (29%)
- Yellow (52%)
- Blue (83%)



- Cyan (65%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)





- Cyan (71%)
- Magenta (32%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 32.516, 235.819 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, 32.516, 235.819 by changing the saturation by 10% instead.


 67, 32.516,
235.819


 67, 32.516,
235.819


 100, 32.516,
235.819


 57, 32.516,
235.819


 87, 32.516,
235.819


 47, 32.516,
235.819


 97, 32.516,
235.819

 37, 32.516,
235.819

 27, 32.516,
235.819

 17, 32.516,
235.819

 7, 32.516, 235.819

 0, 32.516, 235.819

67, 32.516,
235.819

67, 32.516,
235.819

65, 35.386,
238.858

69, 28.997,
233.386

63, 37.661,
242.575

72, 24.842,
231.468

61, 39.472,
246.983

74, 20.104,
229.973

60, 40.308,
249.275

77, 14.857,
228.823

80, 9.186, 227.954

83, 3.170, 227.388

86, 3.115, 46.530

89, 9.606, 46.264

91, 13.519, 51.606

Harmonies

Complementary

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



67, 32.516, 235.819



57, 52.752, 45.728

Rectangle

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



67, 32.516, 235.819



67, 32.516, 285.819



67, 32.516, 55.819



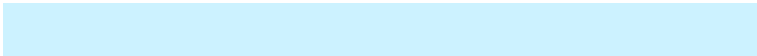
67, 32.516, 105.819

Sweetspot

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



67, 32.515, 235.818



93, 14.031, 228.368



75, 70.991, 145.598



49, 9.496, 228.626



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, 32.515, 235.818



76, 41.944, 240.178



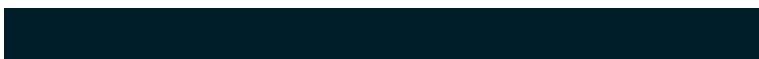
48, 60.437, 290.007



43, 3.482, 227.580



49, 33.938, 248.447



10, 12.378, 237.784

Inverse Universe

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



54, 69.264, 337.870



60, 89.711, 339.362



73, 55.628, 88.925



41, 6.404, 333.400



38, 69.406, 342.088



5, 25.405, 338.832

Previews

White Background



This preview shows how the CIELCh color 67, 32.516, 235.819 looks on a white background.

Color Contrast Check

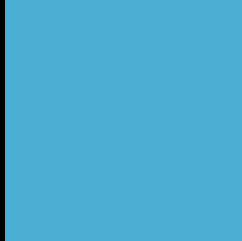
Large Text (above 18pt) WCAG AA × Fail

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, 32.516, 235.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

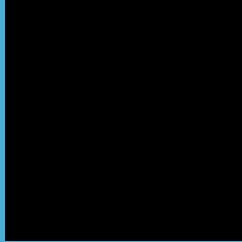
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 32.516, 235.819

Background



This preview shows how black text looks on a background with the CIELCh color 67, 32.516, 235.819.



This preview shows how white text looks on a background with the CIELCh color 67, 32.516, 235.819.

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, 32.516, 235.819

Protanopia
67, 22.208, 286.326

Deuteranopia
67, 30.516, 287.210

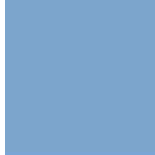


Tritanopia
67, 31.830, 211.287

Trichromacy



Original Color
67, 32.516, 235.819



Protanomaly
66, 24.646, 260.697



Deuteranomaly
66, 29.034, 265.964



Tritanomaly
67, 31.568, 220.170

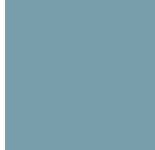
Monochromacy



Original Color
67, 32.516, 235.819



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 14.452, 228.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 32.516, 235.819 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(74, 175, 211)` looks like.

```
.text, #text, p{  
    color:rgb(74, 175, 211)  
}
```

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(74, 175, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 175, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 32.516, 235.819 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(74, 175, 211) }
```

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

```
.border{ border-color:rgb(74, 175, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 175, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 175, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 175, 211);  
box-shadow:4px 4px 4px 4px rgb(74, 175,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 32.516, 235.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 175, 211) }
```

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

```
.background{ background-color: rgb(74, 175,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor