

Converting Colors

CIELCh(67, 34.196, 235.947)

Have a look what the booklet for
CIELCh(67, 34.196, 235.947)
contains.

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Color

CIELCh(67, 34.196, 235.947)

Conversions

Conversions Part 1

Format	Color
Hex	40AFD5
RGB	64, 175, 213
RGB Percent	25%, 69%, 84%
CMY	0.7481, 0.3131, 0.1641
CMYK	0.70, 0.18, 0.00, 0.16
HSL	195°, 64%, 54%
HSV	195°, 70%, 84%
XYZ	29.5208, 36.6320, 68.5761
YIQ	146.1430, -78.3540, -11.7140

Conversions

Conversions Part 2

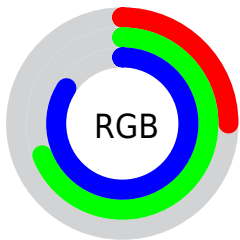
Format	Color
R _Y B	64, 128, 213
Decimal	4239317
CIE Lab	67.00, -19.15, -28.33
CIE LCh	67, 34.196, 235.947
Yxy	36.6320, 0.2191, 0.2719
Android (android.graphics.Color)	4282429397 (0xFF40AFD5)
YUV	146.1430, 32.9605, -72.0394
Hunter-Lab	60.5244, -18.8540, -24.8104

Details

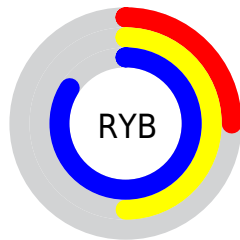
The CIELCh color **67, 34.196, 235.947** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **56, 58.289, 45.310**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 31.437, 221.495**, and **47, 31.234, 241.009** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.724, 239.228**, and if you desaturate by 10%, it is **69, 31.010, 233.304**.

Distribution



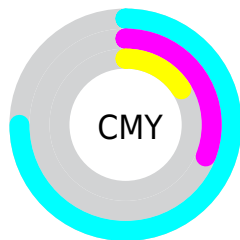
- Red (25%)
- Green (69%)
- Blue (84%)



- Red (25%)
- Yellow (50%)
- Blue (84%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)




- Cyan (75%)
- Magenta (31%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 34.196, 235.947 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, 34.196, 235.947 by changing the saturation by 10% instead.

 67, 34.196,
235.947


 67, 34.196,
235.947


 100, 34.196,
235.947

 57, 34.196,
235.947

 87, 34.196,
235.947

 47, 34.196,
235.947

 97, 34.196,
235.947

 37, 34.196,
235.947

 27, 34.196,
235.947

 17, 34.196,
235.947

 7, 34.196, 235.947

 0, 34.196, 235.947

67, 34.196,
235.947

67, 34.196,
235.947

65, 36.724,
239.228

69, 31.010,
233.304

63, 38.682,
243.202

72, 27.154,
231.214

61, 40.294,
247.748

74, 22.665,
229.582

61, 40.316,
247.807

77, 17.613,
228.324

80, 12.083,
227.369

82, 6.158, 226.677

85, 0.079, 39.078

88, 6.558, 45.540

Harmonies

Complementary

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



67, 34.196, 235.947



56, 58.289, 45.310

Rectangle

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



67, 34.196, 235.947



67, 34.196, 285.947



67, 34.196, 55.947



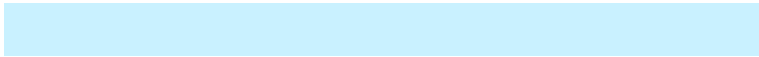
67, 34.196, 105.947

Sweetspot

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



67, 34.195, 235.947



93, 14.711, 227.482



76, 75.950, 144.828



49, 9.875, 227.731



0, 0.000, 0.000



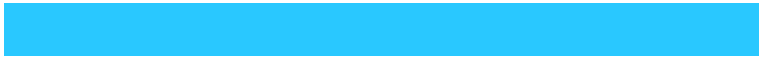
53, 0.007, 296.813

Same Dimension

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



67, 34.195, 235.947



76, 43.230, 241.123



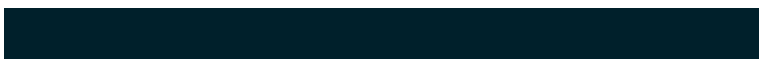
46, 66.016, 291.470



44, 3.559, 226.653



50, 34.032, 247.011



11, 12.815, 237.183

Inverse Universe

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



53, 73.714, 337.996



59, 92.746, 339.699



73, 59.767, 88.242



42, 6.567, 333.118



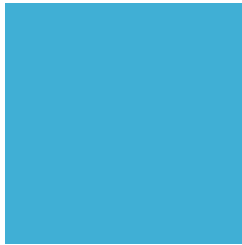
38, 70.523, 341.609



6, 27.322, 338.631

Previews

White Background



This preview shows how the CIE LCh color 67, 34.196, 235.947 looks on a white background.

Color Contrast Check

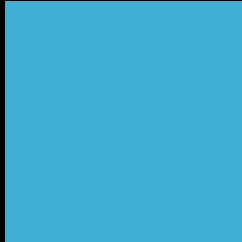
Large Text (above 18pt) WCAG AA × Fail

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, 34.196, 235.947 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, 34.196, 235.947

Background



This preview shows how black text looks on a background with the CIELCh color 67, 34.196, 235.947.

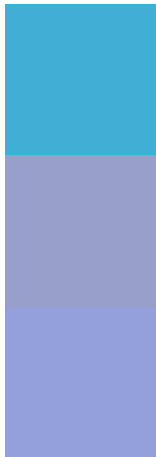


This preview shows how white text looks on a background with the CIELCh color 67, 34.196, 235.947.

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, 34.196, 235.947

Protanopia

67, 23.331, 285.946

Deuteranopia

67, 31.656, 285.857



Tritanopia
67, 33.770, 210.315

Trichromacy



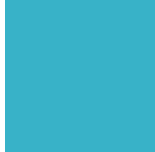
Original Color
67, 34.196, 235.947



Protanomaly
66, 25.753, 258.687



Deuteranomaly
67, 30.600, 264.355



Tritanomaly
67, 33.219, 218.846

Monochromacy



Original Color
67, 34.196, 235.947



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 15.545, 226.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 34.196, 235.947 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(64, 175, 213)` looks like.

```
.text, #text, p{  
    color:rgb(64, 175, 213)  
}
```

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(64, 175, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 175, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 34.196, 235.947 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(64, 175, 213) }
```

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

```
.border{ border-color:rgb(64, 175, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 175, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 175, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 175, 213);  
box-shadow:4px 4px 4px 4px rgb(64, 175,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 34.196, 235.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 175, 213) }
```

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

```
.background{ background-color: rgb(64, 175,  
213) }
```

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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