

Converting Colors

CIELCh(68, 61.823, 272.401)

Have a look what the booklet for
CIELCh(68, 61.823, 272.401)
contains.

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Color

CIELCh(67, 51.595, 263.570)

Conversions

Conversions Part 1

Format	Color
Hex	1EABFF
RGB	30, 171, 255
RGB Percent	12%, 67%, 100%
CMY	0.8820, 0.3293, 0.0000
CMYK	0.88, 0.33, 0.00, 0.00
HSL	202°, 100%, 56%
HSV	202°, 88%, 100%
XYZ	33.1577, 36.6320, 99.9502
YIQ	138.4170, -111.0000, -3.7680

Conversions

Conversions Part 2

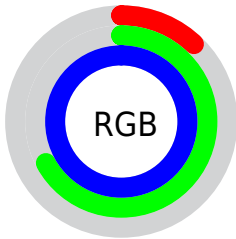
Format	Color
R _Y B	30, 117, 255
Decimal	2010111
CIE Lab	67.00, -5.78, -51.27
CIE LCh	67, 51.595, 263.570
Yxy	36.6320, 0.1953, 0.2158
Android (android.graphics.Color)	4280200191 (0xFF1EABFF)
YUV	138.4170, 57.4754, -95.0817
Hunter-Lab	60.5244, -8.1281, -55.5448

Details

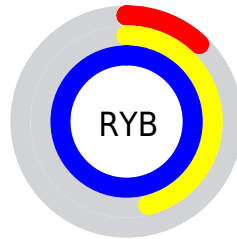
The CIELCh color **67, 51.595, 263.570** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **64, 82.961, 53.060**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.008, 225.493**, and **49, 48.788, 272.468** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.896, 268.697**, and if you desaturate by 10%, it is **70, 47.212, 258.865**.

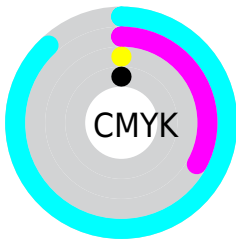
Distribution



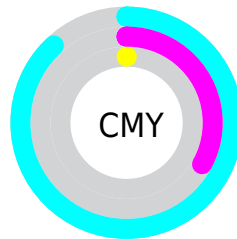
- Red (12%)
- Green (67%)
- Blue (100%)



- Red (12%)
- Yellow (46%)
- Blue (100%)



- Cyan (88%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.595, 263.570 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, 51.595, 263.570 by changing the saturation by 10% instead.


 67, 51.595,
263.570


 67, 51.595,
263.570


 100, 51.595,
263.570


 57, 51.595,
263.570


 87, 51.595,
263.570

 47, 51.595,
263.570

 97, 51.595,
263.570

 37, 51.595,
263.570

 27, 51.595,
263.570

 17, 51.595,
263.570

 7, 51.595, 263.570

 0, 51.595, 263.570

■ 67, 51.595,
263.570

■ 67, 51.595,
263.570

■ 64, 55.896,
268.697

■ 70, 47.212,
258.865

■ 64, 56.700,
269.606

■ 73, 42.574,
254.781

■ 77, 37.537,
251.338

■ 81, 32.042,
248.495

■ 84, 26.087,
246.175

■ 88, 19.712,
244.295

■ 92, 12.977,
242.780

■ 97, 5.946, 241.587

100, 0.012,
296.813

Harmonies

Complementary

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



67, 51.595, 263.570



64, 82.961, 53.060

Rectangle

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



67, 51.595, 263.570



67, 51.595, 313.570



67, 51.595, 83.570



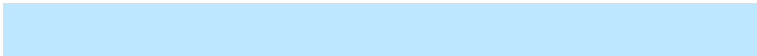
67, 51.595, 133.570

Sweetspot

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



67, 51.584, 263.560



89, 18.260, 243.933



88, 94.503, 145.426



46, 12.287, 244.511



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, 51.584, 263.560



64, 56.700, 269.606



39, 114.009, 302.212



51, 4.115, 241.723



48, 45.087, 268.639



15, 19.061, 261.378

Inverse Universe

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



57, 87.405, 348.131



56, 88.176, 351.262



89, 85.861, 94.429



50, 6.967, 338.083



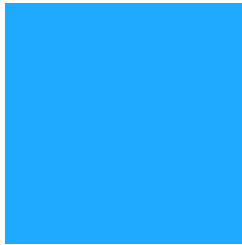
42, 71.250, 350.719



11, 33.595, 347.101

Previews

White Background



This preview shows how the CIE LCh color 67, 51.595, 263.570 looks on a white background.

Color Contrast Check

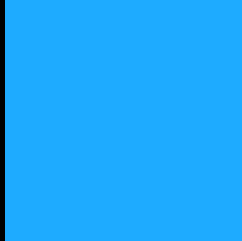
Large Text (above 18pt) WCAG AA × Fail

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, 51.595, 263.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

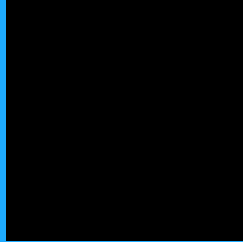
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

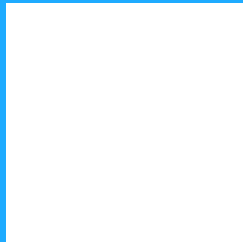
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 51.595, 263.570

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.595, 263.570.



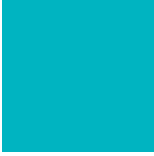
This preview shows how white text looks on a background with the CIELCh color 67, 51.595, 263.570.

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, 37.282, 207.892

Trichromacy



Original Color
67, 51.595, 263.570



Protanomaly
66, 49.467, 274.834



Deuteranomaly
66, 52.163, 273.014



Tritanomaly
67, 38.246, 232.007

Monochromacy



Original Color
67, 51.595, 263.570



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 23.121, 248.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.595, 263.570 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(30, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 171, 255)  
}
```

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(30, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.595, 263.570 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(30, 171, 255) }
```

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

```
.border{ border-color:rgb(30, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.595, 263.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 171, 255) }
```

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

```
.background{ background-color: rgb(30, 171,  
255) }
```

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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