

Converting Colors

CIELCh(67, 51.355, 265.935)

Have a look what the booklet for
CIELCh(67, 51.355, 265.935)
contains.

CIELCh(67, 51.320, 265.878)	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, 51.320, 265.878)

Conversions

Conversions Part 1

Format	Color
Hex	33AAFF
RGB	51, 170, 255
RGB Percent	20%, 67%, 100%
CMY	0.8005, 0.3337, 0.0004
CMYK	0.80, 0.33, 0.00, 0.00
HSL	205°, 100%, 60%
HSV	205°, 80%, 100%
XYZ	33.7516, 36.6320, 99.8220
YIQ	144.1090, -98.2090, 1.2070

Conversions

Conversions Part 2

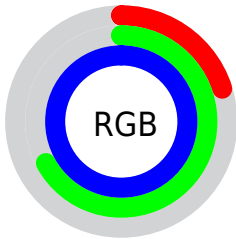
Format	Color
R _Y B	51, 126, 255
Decimal	3386111
CIE Lab	67.00, -3.69, -51.19
CIE LCh	67, 51.320, 265.878
Yxy	36.6320, 0.1983, 0.2152
Android (android.graphics.Color)	4281576191 (0xFF33AAFF)
YUV	144.1090, 54.6693, -81.6566
Hunter-Lab	60.5244, -6.3764, -55.4191

Details

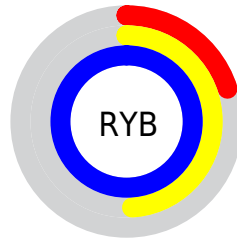
The CIELCh color **67, 51.320, 265.878** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **69, 74.031, 57.535**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 31.302, 228.410**, and **48, 49.291, 273.162** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.592, 270.644**, and if you desaturate by 10%, it is **71, 45.948, 261.627**.

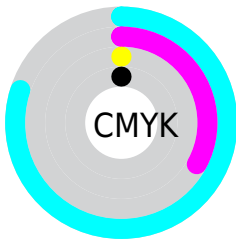
Distribution



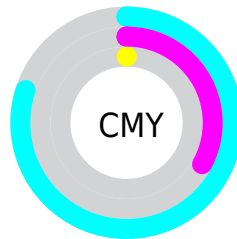
- Red (20%)
- Green (67%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.320, 265.878 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, 51.320, 265.878 by changing the saturation by 10% instead.


 67, 51.320,
265.878


 67, 51.320,
265.878


 100, 51.320,
265.878


 57, 51.320,
265.878


 87, 51.320,
265.878

 47, 51.320,
265.878

 97, 51.320,
265.878

 37, 51.320,
265.878

 27, 51.320,
265.878

 17, 51.320,
265.878

 7, 51.320, 265.878

 0, 51.320, 265.878

67, 51.320,
265.878

67, 51.320,
265.878

64, 56.592,
270.644

71, 45.948,
261.627

60, 61.947,
275.632

74, 40.334,
257.966

78, 34.393,
254.887

83, 28.101,
252.336

87, 21.474,
250.238

91, 14.554,
248.521

95, 7.393, 247.131

100, 0.043,
257.969

100, 0.035,
107.943

Harmonies

Complementary

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



67, 51.320, 265.878



69, 74.031, 57.535

Rectangle

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



67, 51.320, 265.878



67, 51.320, 315.878



67, 51.320, 85.878



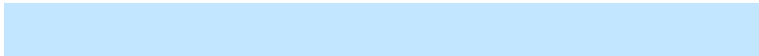
67, 51.320, 135.878

Sweetspot

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



67, 51.319, 265.879



89, 17.327, 249.158



89, 85.964, 148.450



46, 11.836, 249.779



0, 0.000, 0.000



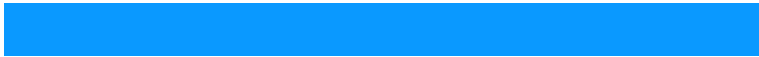
53, 0.007, 296.813

Same Dimension

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



67, 51.319, 265.879



62, 59.777, 273.648



42, 107.357, 301.270



51, 4.187, 247.066



46, 49.175, 274.699



14, 20.462, 267.581

Inverse Universe

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



59, 82.923, 349.325



56, 86.410, 353.743



92, 83.751, 97.470



50, 6.758, 340.112



42, 69.872, 354.423



11, 32.895, 350.143

Previews

White Background



This preview shows how the CIELCh color 67, 51.320, 265.878 looks on a white background.

Color Contrast Check

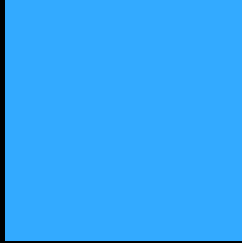
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 51.320, 265.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

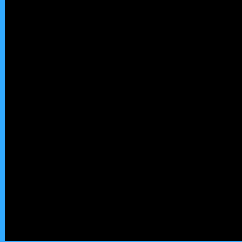
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

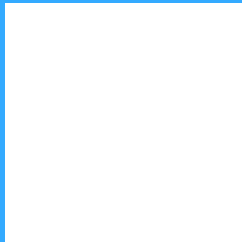
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 51.320, 265.878

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.320, 265.878.



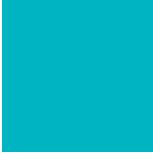
This preview shows how white text looks on a background with the CIELCh color 67, 51.320, 265.878.

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, 51.320, 265.878

Protanomaly
66, 49.099, 276.373

Deuteranomaly
67, 51.822, 274.225

Tritanomaly
67, 38.092, 233.276

Monochromacy



Original Color
67, 51.320, 265.878

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 21.726, 252.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.320, 265.878 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(51, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 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(51, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.320, 265.878 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(51, 170, 255) }
```

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

```
.border{ border-color:rgb(51, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.320, 265.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 170, 255) }
```

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

```
.background{ background-color: rgb(51, 170,  
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](#).

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