

Converting Colors

CIELCh(67, 91.163, 137.810)

Have a look what the booklet for
CIELCh(67, 91.163, 137.810)
contains.

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Color

CIELCh(67, 91.128, 137.804)

Conversions

Conversions Part 1

Format	Color
Hex	07BD20
RGB	7, 189, 32
RGB Percent	3%, 74%, 13%
CMY	0.9727, 0.2580, 0.8735
CMYK	0.96, 0.00, 0.83, 0.26
HSL	128°, 93%, 38%
HSV	128°, 96%, 74%
XYZ	18.5921, 36.6320, 7.4757
YIQ	116.6840, -58.0750, -87.4110

Conversions

Conversions Part 2

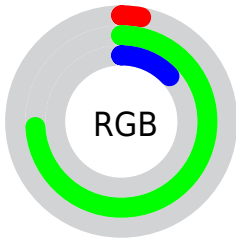
Format	Color
RYB	7, 167, 189
Decimal	507168
CIELab	67.00, -67.51, 61.21
CIELCh	67, 91.128, 137.804
Yxy	36.6320, 0.2965, 0.5842
Android (android.graphics.Color)	4278697248 (0xFF07BD20)
YUV	116.6840, -41.7492, -96.1929
Hunter-Lab	60.5244, -51.0853, 35.0438

Details

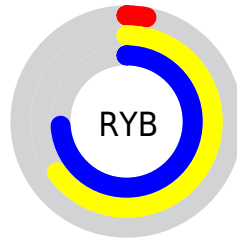
The CIELCh color **67, 91.128, 137.804** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **44, 82.408, 334.419**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 91.190, 137.888**, and **48, 74.270, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 92.506, 137.420**, and if you desaturate by 10%, it is **67, 86.291, 139.143**.

Distribution



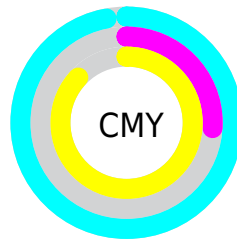
- Red (3%)
- Green (74%)
- Blue (13%)



- Red (3%)
- Yellow (65%)
- Blue (74%)



- Cyan (96%)
- Magenta (0%)
- Yellow (83%)
- Black (26%)





- Cyan (97%)
- Magenta (26%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 91.128, 137.804 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, 91.128, 137.804 by changing the saturation by 10% instead.


 67, 91.128,
137.804


 67, 91.128,
137.804


 100, 91.128,
137.804


 57, 91.128,
137.804


 87, 91.128,
137.804

 47, 91.128,
137.804

 97, 91.128,
137.804

 37, 91.128,
137.804

 27, 91.128,
137.804

 17, 91.128,
137.804

 7, 91.128, 137.804

 0, 91.128, 137.804

■ 67, 91.128,
137.804

■ 67, 91.128,
137.804

■ 67, 92.506,
137.420

■ 67, 86.291,
139.143

■ 68, 79.708,
140.597

■ 68, 71.619,
142.041

■ 69, 62.313,
143.395

■ 70, 52.087,
144.616

■ 71, 41.223,
145.690

■ 72, 29.975,
146.623

■ 74, 18.557,

147.428

■ 76, 7.142, 148.139

Harmonies

Complementary

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



67, 91.128, 137.804



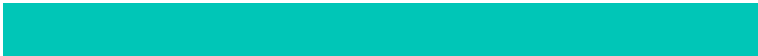
44, 82.408, 334.419

Rectangle

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



67, 91.128, 137.804



67, 91.128, 187.804



67, 91.128, 317.804



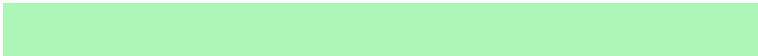
67, 91.128, 7.804

Sweetspot

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



67, 91.128, 137.805



91, 40.699, 146.344



73, 77.582, 110.789



47, 27.873, 145.945



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 91.128, 137.805



85, 112.798, 137.218



68, 60.100, 157.706



39, 6.408, 147.929



57, 80.638, 137.604



9, 20.263, 147.102

Inverse Universe

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



44, 82.408, 334.419



56, 100.323, 334.788



40, 67.279, 13.153



37, 6.423, 329.004



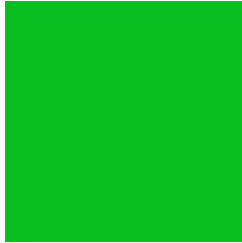
36, 72.617, 334.570



3, 18.730, 331.051

Previews

White Background



This preview shows how the CIELCh color 67, 91.128, 137.804 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, 91.128, 137.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

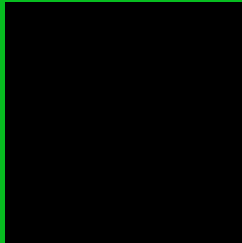
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

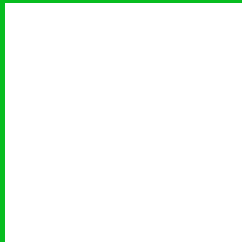
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 91.128, 137.804

Background



This preview shows how black text looks on a background with the CIELCh color 67, 91.128, 137.804.



This preview shows how white text looks on a background with the CIELCh color 67, 91.128, 137.804.

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

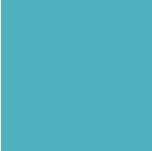
67, 91.100, 137.782

Protanopia

66, 65.690, 95.224

Deuteranopia

67, 58.668, 81.650



Tritanopia
67, 28.893, 212.988

Trichromacy



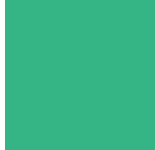
Original Color
67, 91.100, 137.782



Protanomaly
65, 72.046, 121.883



Deuteranomaly
64, 63.308, 117.729



Tritanomaly
66, 48.257, 162.359

Monochromacy



Original Color
67, 91.100, 137.782



Achromatopsia
49, 0.007, 296.813



Achromatomaly
54, 41.437, 144.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 91.128, 137.804 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(7, 189, 32)` looks like.

```
.text, #text, p{  
    color:rgb(7, 189, 32)  
}
```

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(7, 189, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 189, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 91.128, 137.804 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(7, 189, 32) }
```

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

```
.border{ border-color:rgb(7, 189, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 189, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 189, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 189, 32);  
box-shadow:4px 4px 4px 4px rgb(7, 189, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 67, 91.128, 137.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 189, 32) }
```

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

```
.background{ background-color: rgb(7, 189,  
32) }
```

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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