

Converting Colors

CIELCh(66, 91.048, 133.942)

Have a look what the booklet for
CIELCh(66, 91.048, 133.942)
contains.

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Color

CIELCh(66, 91.138, 133.967)

Conversions

Conversions Part 1

Format	Color
Hex	30B903
RGB	48, 185, 3
RGB Percent	19%, 73%, 1%
CMY	0.8119, 0.2746, 0.9883
CMYK	0.74, 0.00, 0.98, 0.27
HSL	105°, 97%, 37%
HSV	105°, 98%, 73%
XYZ	18.5786, 35.3238, 5.9238
YIQ	123.2890, -23.2300, -85.6460

Conversions

Conversions Part 2

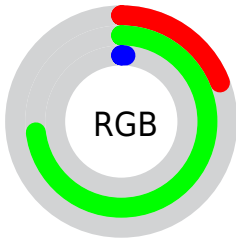
Format	Color
RYB	3, 185, 140
Decimal	3193091
CIELab	66.00, -63.27, 65.60
CIELCh	66, 91.138, 133.967
Yxy	35.3238, 0.3105, 0.5904
Android (android.graphics.Color)	4281383171 (0xFF30B903)
YUV	123.2890, -59.3025, -66.0285
Hunter-Lab	59.4338, -48.2112, 35.6943

Details

The CIELCh color **66, 91.138, 133.967** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **36, 92.747, 319.161**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 91.104, 133.919**, and **47, 72.660, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 91.653, 134.024**, and if you desaturate by 10%, it is **66, 87.402, 133.534**.

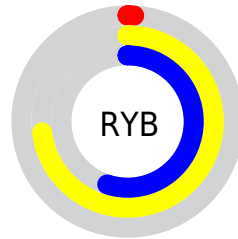
Distribution



Red (19%)

Green (73%)

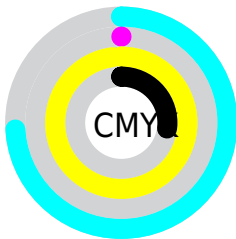
Blue (1%)



Red (1%)

Yellow (73%)

Blue (55%)

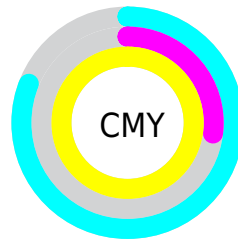


Cyan (74%)

Magenta (0%)

Yellow (98%)

Black (27%)



Cyan (81%)


Magenta (27%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 91.138, 133.967 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 66, 91.138, 133.967 by changing the saturation by 10% instead.


 66, 91.138,
133.967


 66, 91.138,
133.967


 100, 91.138,
133.967


 56, 91.138,
133.967


 86, 91.138,
133.967

 46, 91.138,
133.967

 96, 91.138,
133.967

 36, 91.138,
133.967

 26, 91.138,
133.967

 16, 91.138,
133.967

 6, 91.138, 133.967

 0, 91.138, 133.967

■ 66, 91.138,
133.967

■ 66, 91.138,
133.967

■ 66, 91.653,
134.024

■ 66, 87.402,
133.534

■ 67, 81.590,
133.455

■ 67, 73.841,
133.718

■ 68, 64.627,
134.199

■ 69, 54.406,
134.783

■ 70, 43.545,
135.394

■ 71, 32.318,
135.985

■ 72, 20.925,

136.532

■ 74, 9.511, 137.032

Harmonies

Complementary

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



66, 91.138, 133.967



36, 92.747, 319.161

Rectangle

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



66, 91.138, 133.967



66, 91.138, 183.967



66, 91.138, 313.967



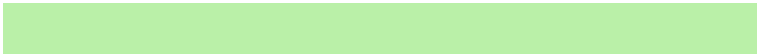
66, 91.138, 3.967

Sweetspot

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



66, 91.137, 133.968



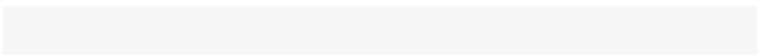
90, 42.132, 135.864



61, 65.502, 83.702



47, 28.690, 135.618



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 91.137, 133.968



83, 111.564, 134.202



66, 85.369, 139.987



38, 6.383, 136.987



56, 80.484, 133.874



8, 17.857, 139.385

Inverse Universe

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



36, 92.747, 319.161



47, 113.290, 318.947



42, 74.876, 341.131



36, 6.426, 317.756



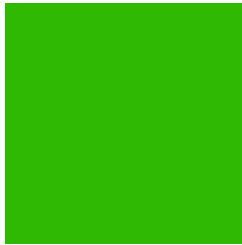
30, 81.971, 319.191



2, 16.948, 314.359

Previews

White Background



This preview shows how the CIELCh color 66, 91.138, 133.967 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 66, 91.138, 133.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

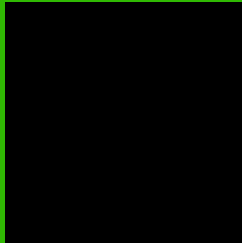
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 91.138, 133.967

Background



This preview shows how black text looks on a background with the CIELCh color 66, 91.138, 133.967.



This preview shows how white text looks on a background with the CIELCh color 66, 91.138, 133.967.

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

66, 91.138, 133.967

Protanopia

66, 69.060, 95.168

Deuteranopia

65, 61.507, 82.154



Tritanopia
66, 26.019, 215.024

Trichromacy



Original Color
66, 91.138, 133.967



Protanomaly
64, 73.267, 115.689



Deuteranomaly
64, 65.404, 110.399



Tritanomaly
65, 48.151, 154.200

Monochromacy



Original Color
66, 91.138, 133.967



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 42.604, 134.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 91.138, 133.967 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(48, 185, 3)` looks like.

```
.text, #text, p{  
    color:rgb(48, 185, 3)  
}
```

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(48, 185, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 185, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 91.138, 133.967 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(48, 185, 3) }
```

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

```
.border{ border-color:rgb(48, 185, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 185, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 185, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 185, 3);  
box-shadow:4px 4px 4px 4px rgb(48, 185, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 91.138, 133.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 185, 3) }
```

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

```
.background{ background-color: rgb(48, 185,  
3) }
```

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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