

Converting Colors

CIELCh(66, 66.033, 107.637)

Have a look what the booklet for
CIELCh(66, 66.033, 107.637)
contains.

CIELCh(66, 66.033, 107.637)	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(66, 66.033, 107.637)

Conversions

Conversions Part 1

Format	Color
Hex	9DA81E
RGB	157, 168, 30
RGB Percent	62%, 66%, 12%
CMY	0.3838, 0.3407, 0.8817
CMYK	0.07, 0.00, 0.82, 0.34
HSL	65°, 70%, 39%
HSV	65°, 82%, 66%
XYZ	28.1894, 35.3238, 6.5713
YIQ	148.9790, 37.7420, -45.2500

Conversions

Conversions Part 2

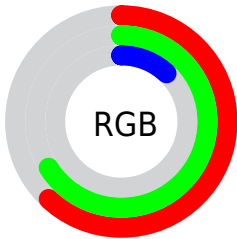
Format	Color
RYB	30, 168, 41
Decimal	10332190
CIELab	66.00, -20.01, 62.93
CIELCh	66, 66.033, 107.637
Yxy	35.3238, 0.4022, 0.5040
Android (android.graphics.Color)	4288522270 (0xFF9DA81E)
YUV	148.9790, -58.6566, 7.0344
Hunter-Lab	59.4338, -19.3468, 35.0483

Details

The CIELCh color **66, 66.033, 107.637** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **24, 85.734, 304.795**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 65.954, 107.524**, and **46, 54.680, 109.902** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.511, 107.599**, and if you desaturate by 10%, it is **66, 60.761, 107.939**.

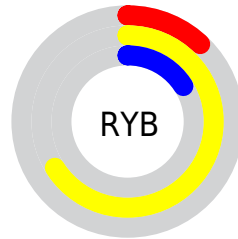
Distribution



Red (62%)

Green (66%)

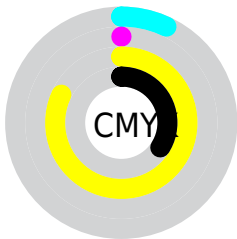
Blue (12%)



Red (12%)

Yellow (66%)

Blue (16%)

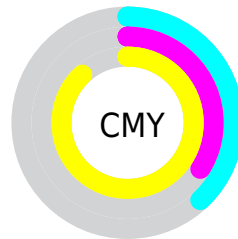


Cyan (7%)

Magenta (0%)

Yellow (82%)

Black (34%)



Cyan (38%)


Magenta (34%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 66.033, 107.637 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, 66.033, 107.637 by changing the saturation by 10% instead.


 66, 66.033,
107.637


 66, 66.033,
107.637


 100, 66.033,
107.637


 56, 66.033,
107.637


 86, 66.033,
107.637

 46, 66.033,
107.637

 96, 66.033,
107.637

 36, 66.033,
107.637

 26, 66.033,
107.637

 16, 66.033,
107.637

 6, 66.033, 107.637

 0, 66.033, 107.637

■ 66, 66.033,
107.637

■ 66, 66.033,
107.637

■ 66, 69.511,
107.599

■ 66, 60.761,
107.939

■ 66, 71.264,
107.711

■ 66, 54.071,
108.445

■ 67, 46.381,
109.098

■ 67, 38.033,
109.846

■ 67, 29.272,
110.650

■ 68, 20.263,
111.481

■ 68, 11.113,
112.316

■ 69, 1.893, 113.130

Harmonies

Complementary

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



66, 66.033, 107.637



24, 85.734, 304.795

Rectangle

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



66, 66.033, 107.637



66, 66.033, 157.637



66, 66.033, 287.637



66, 66.033, 337.637

Sweetspot

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



66, 66.033, 107.639



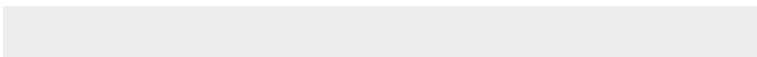
86, 28.461, 111.197



38, 63.544, 36.368



45, 19.349, 110.918



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 66.033, 107.639



84, 86.499, 107.751



62, 73.999, 128.695



35, 5.222, 112.546



58, 64.855, 107.662



6, 9.594, 114.484

Inverse Universe

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



24, 85.734, 304.795



28, 118.043, 306.376



32, 81.260, 314.324



33, 5.335, 294.130



17, 88.703, 306.597



1, 9.575, 292.877

Previews

White Background



This preview shows how the CIELCh color 66, 66.033, 107.637 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, 66.033, 107.637 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, 66.033, 107.637

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.033, 107.637.



This preview shows how white text looks on a background with the CIELCh color 66, 66.033, 107.637.

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, 66.033, 107.637

Protanopia

66, 64.542, 95.572

Deuteranopia

66, 61.855, 82.293



Tritanopia
66, 8.761, 324.830

Trichromacy



Original Color
66, 66.033, 107.637

Protanomaly
66, 64.784, 100.121

Deuteranomaly
66, 61.929, 92.023

Tritanomaly
65, 22.611, 102.450

Monochromacy



Original Color
66, 66.033, 107.637

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 27.537, 110.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.033, 107.637 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(157, 168, 30)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 30)  
}
```

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(157, 168, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.033, 107.637 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(157, 168, 30) }
```

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

```
.border{ border-color:rgb(157, 168, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 168, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 168, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 168, 30);  
box-shadow:4px 4px 4px 4px rgb(157, 168,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.033, 107.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 30) }
```

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

```
.background{ background-color: rgb(157,  
168, 30) }
```

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