

Converting Colors

CIELCh(66, 89.670, 103.354)

Have a look what the booklet for
CIELCh(66, 89.670, 103.354)
contains.

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Color

CIELCh(66, 70.997, 105.408)

Conversions

Conversions Part 1

Format	Color
Hex	A0A700
RGB	160, 167, 0
RGB Percent	63%, 65%, 0%
CMY	0.3709, 0.3433, 1.0000
CMYK	0.04, 0.00, 1.00, 0.34
HSL	63°, 100%, 33%
HSV	63°, 100%, 66%
XYZ	28.4805, 35.3238, 5.2803
YIQ	145.8690, 49.4350, -53.4210

Conversions

Conversions Part 2

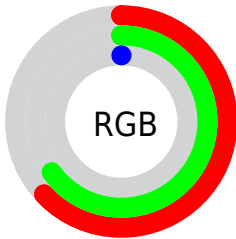
Format	Color
RYB	0, 167, 7
Decimal	10528512
CIELab	66.00, -18.86, 68.45
CIElCh	66, 70.997, 105.408
Yxy	35.3238, 0.4123, 0.5113
Android (android.graphics.Color)	4288718592 (0xFFA0A700)
YUV	145.8690, -71.9134, 12.3929
Hunter-Lab	59.4338, -18.4725, 36.3361

Details

The CIELCh color **66, 70.997, 105.408** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **19, 97.448, 306.427**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 70.634, 105.570**, and **46, 54.163, 108.466** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.834, 105.431**, and if you desaturate by 10%, it is **66, 68.565, 105.465**.

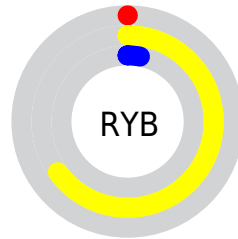
Distribution



Red (63%)

Green (65%)

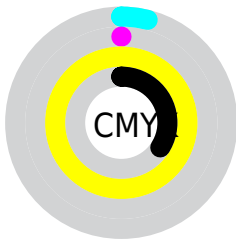
Blue (0%)



Red (0%)

Yellow (65%)

Blue (3%)

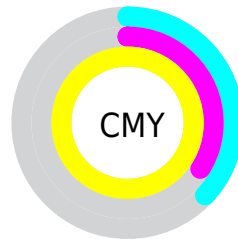


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (37%)

Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 70.997, 105.408 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, 70.997, 105.408 by changing the saturation by 10% instead.


 66, 70.997,
105.408


 66, 70.997,
105.408


 100, 70.997,
105.408


 56, 70.997,
105.408


 86, 70.997,
105.408

 46, 70.997,
105.408

 96, 70.997,
105.408

 36, 70.997,
105.408

 26, 70.997,
105.408

 16, 70.997,
105.408

 6, 70.997, 105.408

 0, 70.997, 105.408

■ 66, 70.997,
105.408

■ 66, 70.997,
105.408

■ 66, 70.834,
105.431

■ 66, 68.565,
105.465

■ 66, 64.742,
105.691

■ 66, 59.189,
106.135

■ 67, 52.303,
106.751

■ 67, 44.495,
107.490

■ 67, 36.087,
108.309

■ 67, 27.306,
109.175

■ 68, 18.303,

110.062

■ 68, 9.177, 110.950

Harmonies

Complementary

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



66, 70.997, 105.408



19, 97.448, 306.427

Rectangle

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



66, 70.997, 105.408



66, 70.997, 155.408



66, 70.997, 285.408



66, 70.997, 335.408

Sweetspot

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



66, 70.834, 105.431



85, 33.670, 109.128



35, 75.705, 40.274



45, 23.082, 108.773



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, 70.834, 105.431



83, 85.846, 105.477



61, 80.375, 128.985



36, 5.215, 111.013



59, 64.653, 105.405



6, 9.570, 112.489

Inverse Universe

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



19, 97.448, 306.427



27, 118.168, 306.389



27, 90.362, 312.765



33, 5.328, 292.709



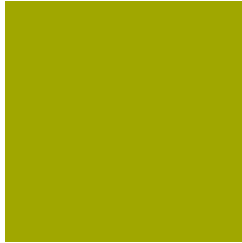
16, 88.914, 306.449



1, 9.565, 291.602

Previews

White Background



This preview shows how the CIELCh color 66, 70.997, 105.408 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, 70.997, 105.408 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, 70.997, 105.408

Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.997, 105.408.



This preview shows how white text looks on a background with the CIELCh color 66, 70.997, 105.408.

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, 70.686, 105.423

Protanopia
66, 69.370, 95.212

Deuteranopia
66, 66.062, 82.748



Tritanopia
66, 9.035, 332.903

Trichromacy



Original Color
66, 70.686, 105.423

Protanomaly
66, 69.521, 98.688

Deuteranomaly
66, 66.816, 91.523

Tritanomaly
65, 29.174, 100.317

Monochromacy



Original Color
66, 70.686, 105.423

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 33.403, 108.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 70.997, 105.408 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(160, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 167, 0)  
}
```

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(160, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 167, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 70.997, 105.408 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(160, 167, 0) }
```

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

```
.border{ border-color:rgb(160, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 167,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 70.997, 105.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 167, 0) }
```

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

```
.background{ background-color: rgb(160,  
167, 0) }
```

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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