

Converting Colors

CIELCh(67, 46.756, 99.426)

Have a look what the booklet for
CIELCh(67, 46.756, 99.426) contains.

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Color

CIELCh(67, 46.890, 99.268)

Conversions

Conversions Part 1

Format	Color
Hex	B0A54D
RGB	176, 165, 77
RGB Percent	69%, 65%, 30%
CMY	0.3102, 0.3533, 0.6984
CMYK	0.00, 0.06, 0.56, 0.31
HSL	53°, 39%, 50%
HSV	53°, 56%, 69%
XYZ	32.6590, 36.6320, 12.3549
YIQ	158.2570, 34.8040, -25.0360

Conversions

Conversions Part 2

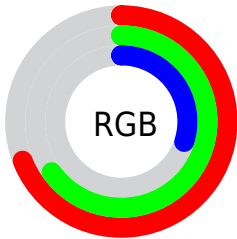
Format	Color
RYB	89, 176, 77
Decimal	11576653
CIELab	67.00, -7.55, 46.28
CIELCh	67, 46.890, 99.268
Yxy	36.6320, 0.4000, 0.4487
Android (android.graphics.Color)	4289766733 (0xFFB0A54D)
YUV	158.2570, -40.0597, 15.5606
Hunter-Lab	60.5244, -9.5990, 30.2641

Details

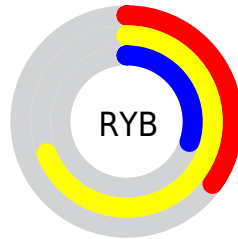
The CIELCh color **67, 46.890, 99.268** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **41, 53.208, 294.407**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.847, 99.135**, and **47, 46.553, 98.954** is the 20% darker color. If you saturate the color by 10%, you get **66, 54.064, 98.249**, and if you desaturate by 10%, it is **68, 39.052, 100.329**.

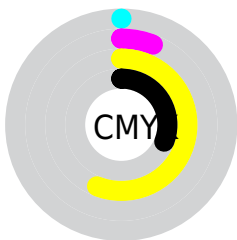
Distribution



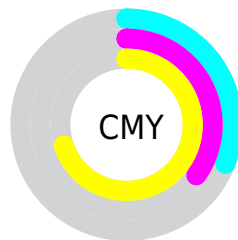
- Red (69%)
- Green (65%)
- Blue (30%)



- Red (35%)
- Yellow (69%)
- Blue (30%)



- Cyan (0%)
- Magenta (6%)
- Yellow (56%)
- Black (31%)



- Cyan (31%)
- Magenta (35%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.890, 99.268 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, 46.890, 99.268 by changing the saturation by 10% instead.

67, 46.890, 99.268

67, 46.890, 99.268

100, 46.890,
99.268

57, 46.890, 99.268

87, 46.890, 99.268

47, 46.890, 99.268

97, 46.890, 99.268

37, 46.890, 99.268

27, 46.890, 99.268

17, 46.890, 99.268

7, 46.890, 99.268

0, 46.890, 99.268

67, 46.890, 99.268

67, 46.890, 99.268

66, 54.064, 98.249

68, 39.052,

66, 60.159, 97.278

100.329

65, 64.664, 96.365

69, 30.831,
101.406

64, 67.188, 95.503

69, 22.406,
102.486

64, 67.904, 95.189

70, 13.889,
103.557

71, 5.346, 104.599

72, 3.184, 285.675

73, 11.676,
286.643

74, 20.117,
287.591

75, 28.496,
288.499

Harmonies

Complementary

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



67, 46.890, 99.268



41, 53.208, 294.407

Rectangle

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



67, 46.890, 99.268



67, 46.890, 149.268



67, 46.890, 279.268



67, 46.890, 329.268

Sweetspot

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



67, 46.891, 99.271



89, 18.012, 103.448



46, 43.544, 17.893



47, 12.035, 103.241



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 46.891, 99.271



84, 68.292, 97.959



67, 54.111, 122.176



36, 4.772, 104.289



56, 60.572, 95.293



6, 9.620, 102.840

Inverse Universe

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



41, 53.208, 294.407



45, 81.660, 297.614



41, 60.362, 308.465



34, 4.852, 286.298



18, 84.570, 304.461



1, 10.334, 286.258

Previews

White Background



This preview shows how the CIELCh color 67, 46.890, 99.268 looks on a white background.

Color Contrast Check

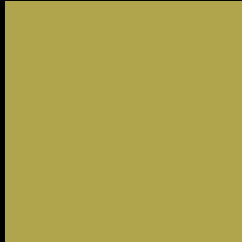
Large Text (above 18pt) WCAG AA × Fail

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, 46.890, 99.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

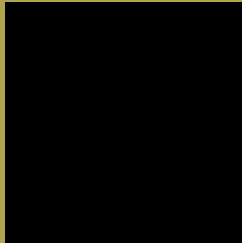
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 46.890, 99.268

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.890, 99.268.



This preview shows how white text looks on a background with the CIELCh color 67, 46.890, 99.268.

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, 46.890, 99.268

Protanopia

67, 46.966, 95.400

Deuteranopia

67, 46.543, 79.199



Tritanopia
67, 12.954, 349.998

Trichromacy



Original Color
67, 46.890, 99.268

Protanomaly
67, 47.169, 97.079

Deuteranomaly
67, 46.154, 86.747

Tritanomaly
67, 16.547, 75.515

Monochromacy



Original Color
67, 46.890, 99.268

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 17.671, 102.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.890, 99.268 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(176, 165, 77)` looks like.

```
.text, #text, p{  
    color:rgb(176, 165, 77)  
}
```

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(176, 165, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 165, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.890, 99.268 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(176, 165, 77) }
```

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

```
.border{ border-color:rgb(176, 165, 77) }
```

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

Here you see how a box with a 4 pixel rgb(176, 165, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 165, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 165, 77);  
box-shadow:4px 4px 4px 4px rgb(176, 165,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.890, 99.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 165, 77) }
```

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

```
.background{ background-color: rgb(176,  
165, 77) }
```

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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