

Converting Colors

CIELCh(67, 50.002, 91.363)

Have a look what the booklet for
CIELCh(67, 50.002, 91.363) contains.

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Color

CIELCh(67, 49.712, 91.371)

Conversions

Conversions Part 1

Format	Color
Hex	BBA146
RGB	187, 161, 70
RGB Percent	73%, 63%, 27%
CMY	0.2655, 0.3675, 0.7245
CMYK	0.00, 0.14, 0.62, 0.27
HSL	47°, 46%, 51%
HSV	47°, 62%, 73%
XYZ	34.4715, 36.6320, 11.0915
YIQ	158.4000, 44.7070, -22.7890

Conversions

Conversions Part 2

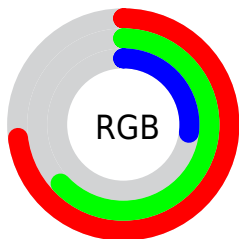
Format	Color
RYB	103, 187, 70
Decimal	12296518
CIELab	67.00, -1.19, 49.70
CIElCh	67, 49.712, 91.371
Yxy	36.6320, 0.4194, 0.4457
Android (android.graphics.Color)	4290486598 (0xFFBBA146)
YUV	158.4000, -43.5812, 25.0822
Hunter-Lab	60.5244, -4.2534, 31.5018

Details

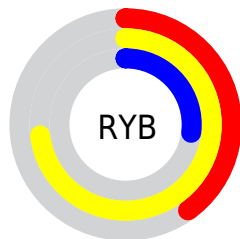
The CIELCh color **67, 49.712, 91.371** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43, 54.527, 290.669**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 49.810, 91.442**, and **47, 49.932, 91.346** is the 20% darker color. If you saturate the color by 10%, you get **66, 56.494, 90.048**, and if you desaturate by 10%, it is **68, 42.186, 92.666**.

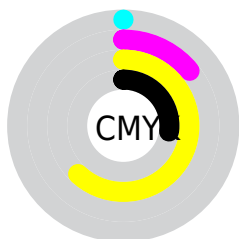
Distribution



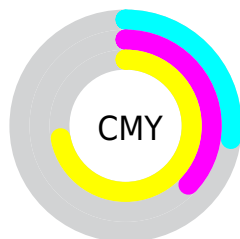
- Red (73%)
- Green (63%)
- Blue (27%)



- Red (40%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (62%)
- Black (27%)



- Cyan (27%)
- Magenta (37%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 49.712, 91.371 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, 49.712, 91.371 by changing the saturation by 10% instead.

■ 67, 49.712, 91.371

■ 67, 49.712, 91.371

■ 100, 49.712,
91.371

■ 57, 49.712, 91.371

■ 87, 49.712, 91.371

■ 47, 49.712, 91.371

■ 97, 49.712, 91.371

■ 37, 49.712, 91.371

■ 27, 49.712, 91.371

■ 17, 49.712, 91.371

■ 7, 49.712, 91.371

■ 0, 49.712, 91.371

■ 67, 49.712, 91.371

■ 67, 49.712, 91.371

■ 66, 56.494, 90.048

■ 68, 42.186, 92.666

65, 61.993, 88.655

70, 34.275, 93.934

63, 65.569, 87.129

71, 26.199, 95.180

63, 67.127, 85.891

73, 18.082, 96.399

74, 9.994, 97.581

76, 1.972, 98.668

77, 5.966, 279.888

79, 13.812,
280.938

80, 21.564,
281.951

Harmonies

Complementary

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



67, 49.712, 91.371



43, 54.527, 290.669

Rectangle

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



67, 49.712, 91.371



67, 49.712, 141.371



67, 49.712, 271.371



67, 49.712, 321.371

Sweetspot

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



67, 49.712, 91.374



92, 18.807, 96.779



47, 50.236, 10.713



49, 13.064, 96.435



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, 49.712, 91.374



83, 71.231, 89.540



72, 60.768, 117.098



39, 4.556, 97.941



53, 59.286, 86.143



8, 12.571, 91.530

Inverse Universe

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



43, 54.527, 290.669



48, 82.444, 294.704



39, 70.780, 305.869



37, 4.600, 280.177



23, 78.974, 301.333



2, 14.713, 283.446

Previews

White Background



This preview shows how the CIELCh color 67, 49.712, 91.371 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, 49.712, 91.371 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, 49.712, 91.371

Background



This preview shows how black text looks on a background with the CIELCh color 67, 49.712, 91.371.



This preview shows how white text looks on a background with the CIELCh color 67, 49.712, 91.371.

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, 49.712, 91.371

Protanopia

67, 49.290, 95.577

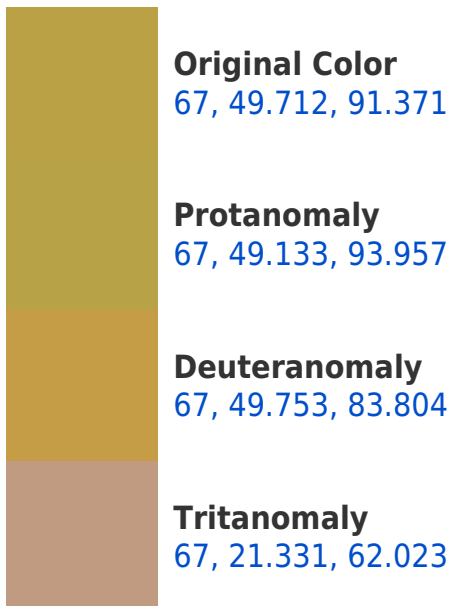
Deuteranopia

67, 49.921, 79.992



Tritanopia
67, 17.784, 1.370

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 49.712, 91.371 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(187, 161, 70)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 70)  
}
```

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(187, 161, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 49.712, 91.371 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(187, 161, 70) }
```

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

```
.border{ border-color:rgb(187, 161, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 161, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 70);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 49.712, 91.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 70) }
```

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

```
.background{ background-color: rgb(187,  
161, 70) }
```

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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