

Converting Colors

CIELCh(67, 46.443, 98.068)

Have a look what the booklet for
CIELCh(67, 46.443, 98.068) contains.

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Color

CIELCh(67, 46.150, 97.575)

Conversions

Conversions Part 1

Format	Color
Hex	B2A44E
RGB	178, 164, 78
RGB Percent	70%, 64%, 31%
CMY	0.3014, 0.3563, 0.6936
CMYK	0.00, 0.08, 0.56, 0.30
HSL	52°, 39%, 50%
HSV	52°, 56%, 70%
XYZ	33.0714, 36.6320, 12.5592
YIQ	158.3820, 35.9500, -23.7780

Conversions

Conversions Part 2

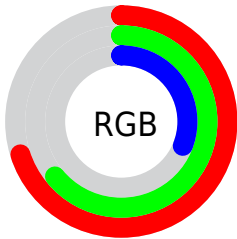
Format	Color
RYB	94, 178, 78
Decimal	11707470
CIELab	67.00, -6.08, 45.75
CIELCh	67, 46.150, 97.575
Yxy	36.6320, 0.4020, 0.4453
Android (android.graphics.Color)	4289897550 (0xFFB2A44E)
YUV	158.3820, -39.6283, 17.2050
Hunter-Lab	60.5244, -8.3826, 30.0640

Details

The CIELCh color **67, 46.150, 97.575** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **42, 51.747, 293.096**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.102, 97.531**, and **47, 46.295, 97.765** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.329, 96.481**, and if you desaturate by 10%, it is **68, 38.352, 98.694**.

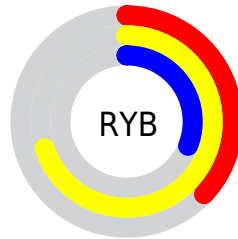
Distribution



Red (70%)

Green (64%)

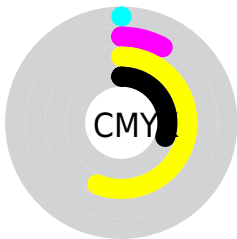
Blue (31%)



Red (37%)

Yellow (70%)

Blue (31%)

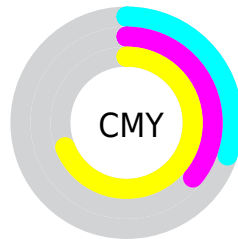


Cyan (0%)

Magenta (8%)

Yellow (56%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.150, 97.575 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, 46.150, 97.575 by changing the saturation by 10% instead.

67, 46.150, 97.575

67, 46.150, 97.575

100, 46.150,
97.575

57, 46.150, 97.575

87, 46.150, 97.575

47, 46.150, 97.575

97, 46.150, 97.575

37, 46.150, 97.575

27, 46.150, 97.575

17, 46.150, 97.575

7, 46.150, 97.575

0, 46.150, 97.575

67, 46.150, 97.575

67, 46.150, 97.575

66, 53.329, 96.481

68, 38.352, 98.694

65, 59.473, 95.410

69, 30.209, 99.819

65, 64.047, 94.363

70, 21.896,
100.938

64, 66.611, 93.318

71, 13.516,
102.041

64, 67.351, 92.917

72, 5.129, 103.110

73, 3.228, 284.218

74, 11.534,
285.206

75, 19.779,
286.174

77, 27.956,
287.100

Harmonies

Complementary

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



67, 46.150, 97.575



42, 51.747, 293.096

Rectangle

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



67, 46.150, 97.575



67, 46.150, 147.575



67, 46.150, 277.575



67, 46.150, 327.575

Sweetspot

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



67, 46.151, 97.578



90, 17.649, 101.916



47, 43.648, 15.346



48, 11.903, 101.699



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 46.151, 97.578



84, 66.623, 96.263



68, 54.130, 120.838



37, 4.743, 102.776



55, 60.262, 93.050



7, 10.745, 100.204

Inverse Universe

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



42, 51.747, 293.096



47, 78.225, 296.156



42, 60.796, 307.509



35, 4.815, 284.844



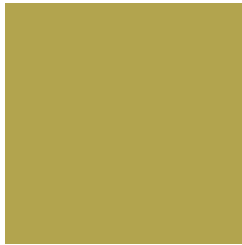
19, 83.740, 303.820



1, 11.905, 285.408

Previews

White Background



This preview shows how the CIELCh color 67, 46.150, 97.575 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, 46.150, 97.575 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, 46.150, 97.575

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.150, 97.575.



This preview shows how white text looks on a background with the CIELCh color 67, 46.150, 97.575.

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, 46.150, 97.575

Protanopia

67, 46.018, 95.316

Deuteranopia

67, 46.085, 78.999



Tritanopia
67, 13.627, 351.765

Trichromacy



Original Color
67, 46.150, 97.575

Protanomaly
67, 45.932, 95.864

Deuteranomaly
67, 45.593, 85.390

Tritanomaly
67, 16.411, 69.988

Monochromacy



Original Color
67, 46.150, 97.575

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 17.170, 101.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.150, 97.575 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(178, 164, 78)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 78)  
}
```

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(178, 164, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.150, 97.575 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(178, 164, 78) }
```

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

```
.border{ border-color:rgb(178, 164, 78) }
```

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

Here you see how a box with a 4 pixel rgb(178, 164, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 78);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.150, 97.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 78) }
```

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

```
.background{ background-color: rgb(178,  
164, 78) }
```

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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