

Converting Colors

CIELCh(66, 47.360, 90.720)

Have a look what the booklet for
CIELCh(66, 47.360, 90.720) contains.

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Color

CIELCh(66, 47.169, 90.282)

Conversions

Conversions Part 1

Format	Color
Hex	B99E49
RGB	185, 158, 73
RGB Percent	73%, 62%, 29%
CMY	0.2739, 0.3798, 0.7131
CMYK	0.00, 0.15, 0.60, 0.27
HSL	46°, 45%, 51%
HSV	46°, 60%, 73%
XYZ	33.5081, 35.3238, 11.3808
YIQ	156.3830, 43.3770, -20.7110

Conversions

Conversions Part 2

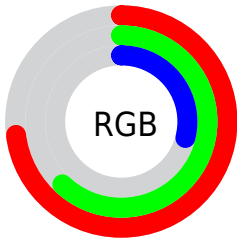
Format	Color
RYB	109, 185, 73
Decimal	12164681
CIELab	66.00, -0.23, 47.17
CIElCh	66, 47.169, 90.282
Yxy	35.3238, 0.4177, 0.4404
Android (android.graphics.Color)	4290354761 (0xFFB99E49)
YUV	156.3830, -41.1078, 25.0971
Hunter-Lab	59.4338, -3.3730, 30.2504

Details

The CIELCh color **66, 47.169, 90.282** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **44, 50.811, 289.053**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 46.764, 90.183**, and **46, 47.170, 90.267** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.075, 88.922**, and if you desaturate by 10%, it is **67, 39.654, 91.606**.

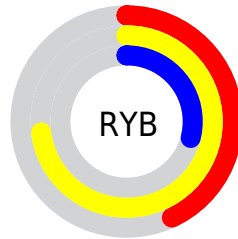
Distribution



Red (73%)

Green (62%)

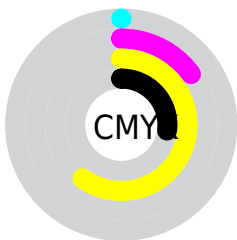
Blue (29%)



Red (43%)

Yellow (73%)

Blue (29%)

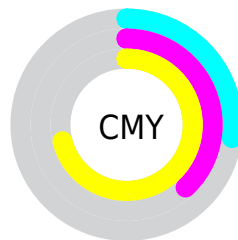


Cyan (0%)

Magenta (15%)

Yellow (60%)

Black (27%)



Cyan (27%)

Magenta (38%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 47.169, 90.282 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, 47.169, 90.282 by changing the saturation by 10% instead.

■ 66, 47.169, 90.282

■ 66, 47.169, 90.282

■ 100, 47.169,
90.282

■ 56, 47.169, 90.282

■ 86, 47.169, 90.282

■ 46, 47.169, 90.282

■ 96, 47.169, 90.282

■ 36, 47.169, 90.282

■ 26, 47.169, 90.282

■ 16, 47.169, 90.282

■ 6, 47.169, 90.282

■ 0, 47.169, 90.282

■ 66, 47.169, 90.282

■ 66, 47.169, 90.282

■ 65, 54.075, 88.922

■ 67, 39.654, 91.606

63, 59.877, 87.482

69, 31.846, 92.897

62, 63.932, 85.895

70, 23.932, 94.161

61, 66.109, 84.219

72, 16.015, 95.393

73, 8.154, 96.583

75, 0.375, 97.308

77, 7.309, 278.905

79, 14.893,
279.962

80, 22.378,
280.979

Harmonies

Complementary

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



66, 47.169, 90.282



44, 50.811, 289.053

Rectangle

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



66, 47.169, 90.282



66, 47.169, 140.282



66, 47.169, 270.282



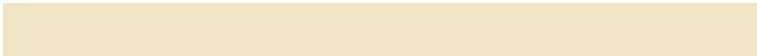
66, 47.169, 320.282

Sweetspot

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



66, 47.169, 90.285



91, 17.327, 95.659



47, 48.269, 8.849



48, 12.051, 95.309



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 47.169, 90.285



81, 68.421, 88.402



71, 58.408, 116.428



38, 4.367, 96.718



52, 58.185, 84.508



7, 10.749, 90.314

Inverse Universe

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



44, 50.811, 289.053



49, 77.256, 293.088



40, 67.820, 305.239



36, 4.403, 278.981



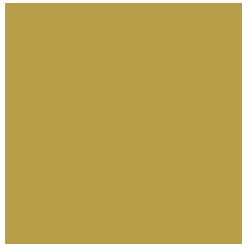
23, 76.148, 300.564



2, 12.735, 281.909

Previews

White Background



This preview shows how the CIELCh color 66, 47.169, 90.282 looks on a white background.

Color Contrast Check

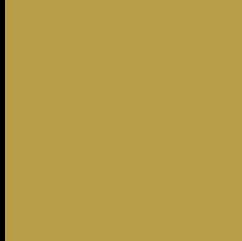
Large Text (above 18pt) WCAG AA × Fail

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 66, 47.169, 90.282 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, 47.169, 90.282

Background



This preview shows how black text looks on a background with the CIELCh color 66, 47.169, 90.282.

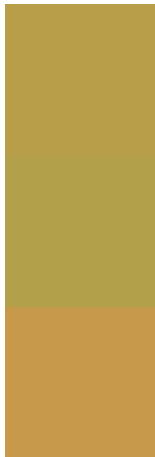


This preview shows how white text looks on a background with the CIELCh color 66, 47.169, 90.282.

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, 47.169, 90.282

Protanopia

66, 46.936, 95.869

Deuteranopia

66, 47.322, 79.973



Tritanopia
66, 18.221, 1.885

Trichromacy



Original Color
66, 47.169, 90.282

Protanomaly
66, 46.867, 93.629

Deuteranomaly
66, 47.183, 84.007

Tritanomaly
66, 20.965, 59.227

Monochromacy



Original Color
66, 47.169, 90.282

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.085, 94.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 47.169, 90.282 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(185, 158, 73)` looks like.

```
.text, #text, p{  
    color:rgb(185, 158, 73)  
}
```

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(185, 158, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 158, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 47.169, 90.282 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(185, 158, 73) }
```

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

```
.border{ border-color:rgb(185, 158, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 158, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 158, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 158, 73);  
box-shadow:4px 4px 4px 4px rgb(185, 158,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 47.169, 90.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 158, 73) }
```

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

```
.background{ background-color: rgb(185,  
158, 73) }
```

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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