

Converting Colors

CIELCh(70, 40.456, 93.477)

Have a look what the booklet for
CIELCh(70, 40.456, 93.477) contains.

CIELCh(70, 40.228, 92.999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 40.228, 92.999)

Conversions

Conversions Part 1

Format	Color
Hex	BFAA61
RGB	191, 170, 97
RGB Percent	75%, 67%, 38%
CMY	0.2505, 0.3329, 0.6192
CMYK	0.00, 0.11, 0.49, 0.25
HSL	47°, 42%, 57%
HSV	47°, 49%, 75%
XYZ	38.0751, 40.7494, 17.1942
YIQ	167.9570, 35.9490, -18.2510

Conversions

Conversions Part 2

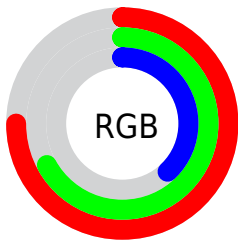
Format	Color
RYB	124, 191, 97
Decimal	12560993
CIELab	70.00, -2.10, 40.17
CIElCh	70, 40.228, 92.999
Yxy	40.7494, 0.3965, 0.4244
Android (android.graphics.Color)	4290751073 (0xFFBFAA61)
YUV	167.9570, -34.9818, 20.2087
Hunter-Lab	63.8353, -5.2438, 28.7147

Details

The CIELCh color **70, 40.228, 92.999** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **51, 42.650, 287.203**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 40.213, 92.923**, and **50, 40.009, 93.220** is the 20% darker color. If you saturate the color by 10%, you get **69, 48.035, 91.715**, and if you desaturate by 10%, it is **71, 32.118, 94.268**.

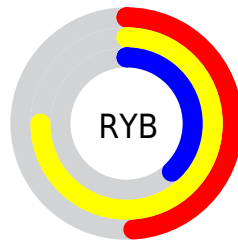
Distribution



Red (75%)

Green (67%)

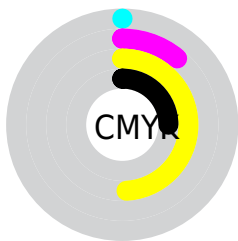
Blue (38%)



Red (49%)

Yellow (75%)

Blue (38%)

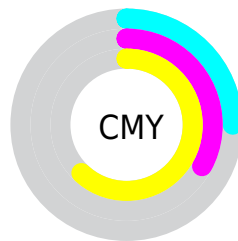


Cyan (0%)

Magenta (11%)

Yellow (49%)

Black (25%)



Cyan (25%)

Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 40.228, 92.999 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 70, 40.228, 92.999 by changing the saturation by 10% instead.

■ 70, 40.228, 92.999

■ 70, 40.228, 92.999

■ 100, 40.228,
92.999

■ 60, 40.228, 92.999

■ 90, 40.228, 92.999

■ 50, 40.228, 92.999

■ 40, 40.228, 92.999

■ 30, 40.228, 92.999

■ 20, 40.228, 92.999

■ 10, 40.228, 92.999

■ 0, 40.228, 92.999

■ 70, 40.228, 92.999

■ 70, 40.228, 92.999

■ 69, 48.035, 91.715

■ 71, 32.118, 94.268

67, 55.222, 90.398

73, 23.890, 95.508

66, 61.300, 89.026

74, 15.650, 96.720

65, 65.626, 87.544

76, 7.455, 97.889

64, 67.938, 85.900

78, 0.664, 279.301

64, 68.109, 85.767

79, 8.693, 280.171

81, 16.627,
281.213

83, 24.466,
282.213

84, 24.976,
279.299

Harmonies

Complementary

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



70, 40.228, 92.999



51, 42.650, 287.203

Rectangle

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



70, 40.228, 92.999



70, 40.228, 142.999



70, 40.228, 272.999



70, 40.228, 322.999

Sweetspot

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



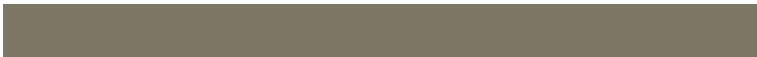
70, 40.229, 93.003



94, 15.056, 97.188



53, 40.290, 7.429



50, 10.366, 96.936



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 40.229, 93.003



87, 58.986, 91.619



74, 49.951, 117.634



39, 4.551, 97.871



53, 59.261, 86.048



8, 12.553, 91.422

Inverse Universe

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



51, 42.650, 287.203



59, 64.181, 289.933



48, 55.896, 304.519



37, 4.595, 280.110



23, 78.872, 301.293



2, 14.701, 283.405

Previews

White Background



This preview shows how the CIELCh color 70, 40.228, 92.999 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 70, 40.228, 92.999 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 70, 40.228, 92.999

Background



This preview shows how black text looks on a background with the CIELCh color 70, 40.228, 92.999.



This preview shows how white text looks on a background with the CIELCh color 70, 40.228, 92.999.

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

70, 40.228, 92.999

Protanopia

70, 39.793, 95.474

Deuteranopia

70, 40.363, 77.187



Tritanopia
70, 16.167, 354.983

Trichromacy



Original Color
70, 40.228, 92.999

Protanomaly
70, 39.885, 94.858

Deuteranomaly
70, 40.196, 83.230

Tritanomaly
70, 16.396, 56.786

Monochromacy



Original Color
70, 40.228, 92.999

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 14.993, 97.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 40.228, 92.999 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(191, 170, 97)` looks like.

```
.text, #text, p{  
    color:rgb(191, 170, 97)  
}
```

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(191, 170, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 40.228, 92.999 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(191, 170, 97) }
```

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

```
.border{ border-color:rgb(191, 170, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 170, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 170, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 170, 97); box-shadow:4px 4px 4px 4px rgb(191, 170, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 40.228, 92.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 170, 97) }
```

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

```
.background{ background-color: rgb(191,  
170, 97) }
```

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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