

Converting Colors

CIELCh(67, 40.693, 78.277)

Have a look what the booklet for
CIELCh(67, 40.693, 78.277) contains.

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Color

CIELCh(67, 40.693, 78.277)

Conversions

Conversions Part 1

Format	Color
Hex	C79C5B
RGB	199, 156, 91
RGB Percent	78%, 61%, 36%
CMY	0.2200, 0.3885, 0.6434
CMYK	0.00, 0.22, 0.54, 0.22
HSL	36°, 49%, 57%
HSV	36°, 54%, 78%
XYZ	37.2878, 36.6320, 14.9850
YIQ	161.4470, 46.4930, -11.0990

Conversions

Conversions Part 2

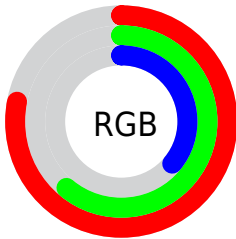
Format	Color
RYB	162, 199, 91
Decimal	13081691
CIELab	67.00, 8.27, 39.84
CIElCh	67, 40.693, 78.277
Yxy	36.6320, 0.4194, 0.4120
Android (android.graphics.Color)	4291271771 (0xFFC79C5B)
YUV	161.4470, -34.7304, 32.9340
Hunter-Lab	60.5244, 4.0525, 27.6876

Details

The CIELCh color **67, 40.693, 78.277** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **55, 38.483, 276.192**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 39.767, 79.337**, and **47, 40.763, 78.590** is the 20% darker color. If you saturate the color by 10%, you get **65, 48.474, 76.780**, and if you desaturate by 10%, it is **69, 32.839, 79.713**.

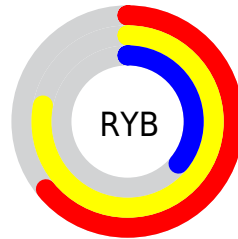
Distribution



Red (78%)

Green (61%)

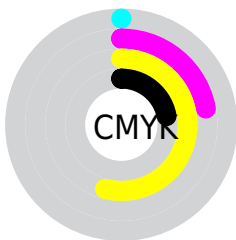
Blue (36%)



Red (64%)

Yellow (78%)

Blue (36%)

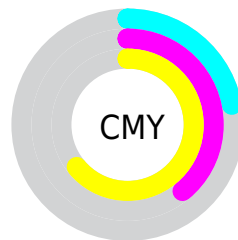


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (22%)



Cyan (22%)

Magenta (39%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 40.693, 78.277 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, 40.693, 78.277 by changing the saturation by 10% instead.

■ 67, 40.693, 78.277

■ 67, 40.693, 78.277

■ 100, 40.693,
78.277

■ 57, 40.693, 78.277

■ 87, 40.693, 78.277

■ 47, 40.693, 78.277

■ 97, 40.693, 78.277

■ 37, 40.693, 78.277

■ 27, 40.693, 78.277

■ 17, 40.693, 78.277

■ 7, 40.693, 78.277

■ 0, 40.693, 78.277

■ 67, 40.693, 78.277

■ 67, 40.693, 78.277

■ 65, 48.474, 76.780

■ 69, 32.839, 79.713

63, 55.845, 75.148

72, 25.084, 81.100

61, 62.215, 73.259

74, 17.509, 82.449

59, 66.749, 70.890

77, 10.144, 83.755

58, 68.680, 69.386

79, 2.994, 84.964

82, 3.949, 266.367

84, 10.700,
267.507

87, 17.275,
268.632

89, 16.937,
258.227

Harmonies

Complementary

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



67, 40.693, 78.277



55, 38.483, 276.192

Rectangle

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



67, 40.693, 78.277



67, 40.693, 128.277



67, 40.693, 258.277



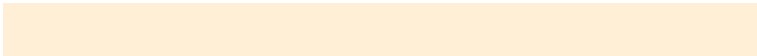
67, 40.693, 308.277

Sweetspot

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



67, 40.693, 78.281



95, 13.938, 83.505



53, 47.673, 356.317



50, 9.441, 83.234



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 40.693, 78.281



81, 59.976, 76.519



77, 55.232, 109.852



41, 3.994, 84.371



48, 59.252, 69.912



8, 13.339, 70.611

Inverse Universe

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



55, 38.483, 276.192



64, 56.662, 279.844



45, 64.146, 300.694



40, 3.964, 266.883



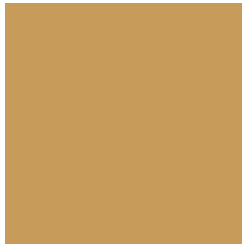
30, 62.175, 292.160



4, 15.663, 277.588

Previews

White Background



This preview shows how the CIELCh color 67, 40.693, 78.277 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, 40.693, 78.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

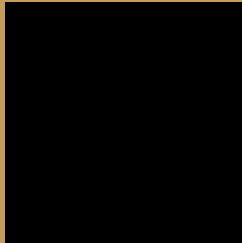
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 40.693, 78.277

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.693, 78.277.



This preview shows how white text looks on a background with the CIELCh color 67, 40.693, 78.277.

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, 40.693, 78.277

Protanopia

67, 37.960, 95.582

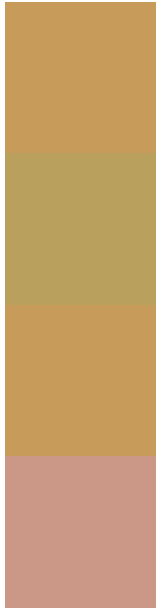
Deuteranopia

67, 40.693, 78.277



Tritanopia
67, 23.219, 6.801

Trichromacy



Original Color
67, 40.693, 78.277

Protanomaly
67, 38.247, 88.834

Deuteranomaly
67, 40.693, 78.277

Tritanomaly
67, 23.882, 43.949

Monochromacy



Original Color
67, 40.693, 78.277

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 14.288, 81.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 40.693, 78.277 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(199, 156, 91)` looks like.

```
.text, #text, p{  
    color:rgb(199, 156, 91)  
}
```

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(199, 156, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 156, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.693, 78.277 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(199, 156, 91) }
```

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

```
.border{ border-color:rgb(199, 156, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 156, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 156, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 156, 91);  
box-shadow:4px 4px 4px 4px rgb(199, 156,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.693, 78.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 156, 91) }
```

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

```
.background{ background-color: rgb(199,  
156, 91) }
```

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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