

Converting Colors

CIELCh(40, 9.690, 68.399)

Have a look what the booklet for
CIELCh(40, 9.690, 68.399) contains.

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Color

CIELCh(40, 9.668, 68.422)

Conversions

Conversions Part 1

Format	Color
Hex	6A5C50
RGB	106, 92, 80
RGB Percent	42%, 36%, 31%
CMY	0.5851, 0.6399, 0.6870
CMYK	0.00, 0.13, 0.25, 0.59
HSL	28°, 14%, 36%
HSV	28°, 25%, 41%
XYZ	11.1733, 11.2510, 9.1371
YIQ	94.8180, 12.1960, -0.7640

Conversions

Conversions Part 2

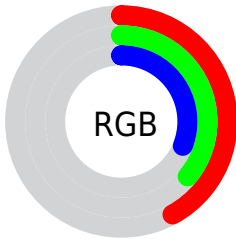
Format	Color
R _Y B	106, 102, 80
Decimal	6970448
CIE Lab	40.00, 3.56, 8.99
CIE LCh	40, 9.668, 68.422
Yxy	11.2510, 0.3540, 0.3565
Android (android.graphics.Color)	4285160528 (0xFF6A5C50)
YUV	94.8180, -7.3053, 9.8066
Hunter-Lab	33.5425, 0.7605, 7.3290

Details

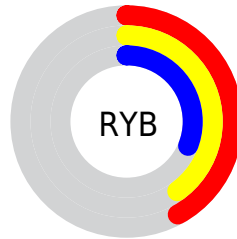
The CIELCh color $40, 9.668, 68.422$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 8.951, 254.459$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 9.841, 67.539$, and $20, 9.277, 66.570$ is the 20% darker color. If you saturate the color by 10%, you get $38, 13.958, 67.336$, and if you desaturate by 10%, it is $42, 5.589, 69.517$.

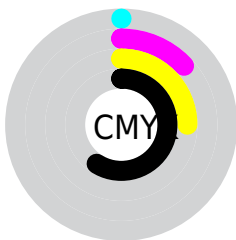
Distribution



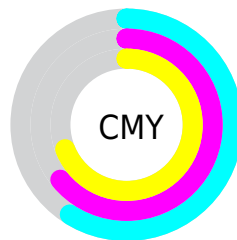
- Red (42%)
- Green (36%)
- Blue (31%)



- Red (42%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (25%)
- Black (59%)



- Cyan (59%)
- Magenta (64%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.668, 68.422 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 40, 9.668, 68.422 by changing the saturation by 10% instead.

 40, 9.668, 68.422  40, 9.668, 68.422

 100, 9.668, 68.422  30, 9.668, 68.422

 60, 9.668, 68.422  20, 9.668, 68.422

 70, 9.668, 68.422  10, 9.668, 68.422

 80, 9.668, 68.422  0, 9.668, 68.422

 90, 9.668, 68.422

 40, 9.668, 68.422  40, 9.668, 68.422

 38, 13.958, 67.336  42, 5.589, 69.517

 36, 18.463, 66.242  44, 1.706, 70.513

 35, 23.171, 65.151  46, 1.997, 251.868

■ 33, 28.039, 64.049

■ 48, 5.537, 252.849

■ 31, 32.959, 62.888

■ 50, 8.933, 253.866

■ 30, 37.707, 61.563

■ 52, 12.201,
254.862

■ 28, 42.000, 59.979

■ 54, 15.354,
255.826

■ 27, 44.298, 59.243

■ 56, 18.407,
256.756

■ 58, 21.370,
257.649

Harmonies

Complementary

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



40, 9.668, 68.422



39, 8.951, 254.459

Rectangle

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



40, 9.668, 68.422



40, 9.668, 118.422



40, 9.668, 248.422



40, 9.668, 298.422

Sweetspot

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



40, 9.668, 68.432



56, 3.273, 70.279



37, 14.074, 342.997



28, 2.113, 70.247



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 9.668, 68.432



50, 14.363, 67.857



44, 14.673, 105.768



21, 2.148, 70.103



31, 48.237, 59.081



63, 84.457, 56.825

Inverse Universe

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



39, 8.951, 254.459



49, 13.051, 255.350



35, 15.402, 290.875



21, 2.096, 252.273



26, 36.289, 277.958



55, 65.872, 280.939

Previews

White Background



This preview shows how the CIELCh color 40, 9.668, 68.422 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 40, 9.668, 68.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

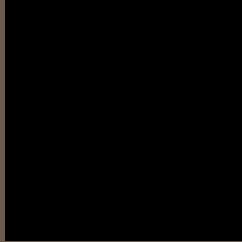
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 9.668, 68.422

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.668, 68.422.

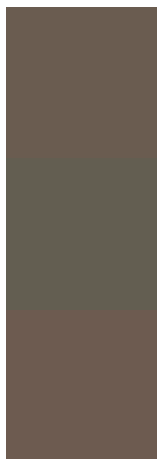


This preview shows how white text looks on a background with the CIELCh color 40, 9.668, 68.422.

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

40, 9.668, 68.422

Protanopia

40, 8.187, 93.237

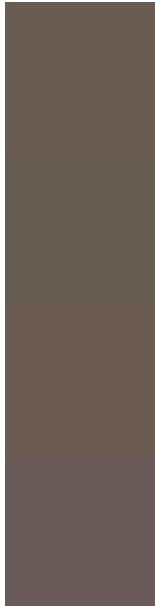
Deuteranopia

40, 10.582, 59.001



Tritanopia
40, 9.126, 352.974

Trichromacy



Original Color

40, 9.668, 68.422

Protanomaly

40, 8.115, 83.020

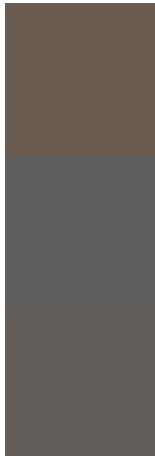
Deuteranomaly

40, 10.226, 60.600

Tritanomaly

40, 7.383, 20.381

Monochromacy



Original Color

40, 9.668, 68.422

Achromatopsia

40, 0.006, 296.813

Achromatomaly

40, 3.711, 74.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.668, 68.422 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(106, 92, 80)` looks like.

```
.text, #text, p{  
    color:rgb(106, 92, 80)  
}
```

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(106, 92, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 92, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.668, 68.422 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(106, 92, 80) }
```

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

```
.border{ border-color:rgb(106, 92, 80) }
```

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

Here you see how a box with a 4 pixel rgb(106, 92, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 92, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 92, 80);  
box-shadow:4px 4px 4px 4px rgb(106, 92,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.668, 68.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 92, 80) }
```

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

```
.background{ background-color: rgb(106, 92,  
80) }
```

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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