

Converting Colors

CIELCh(40, 12.801, 86.202)

Have a look what the booklet for
CIELCh(40, 12.801, 86.202) contains.

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Color

CIELCh(40, 12.598, 84.850)

Conversions

Conversions Part 1

Format	Color
Hex	685D4A
RGB	104, 93, 74
RGB Percent	41%, 36%, 29%
CMY	0.5924, 0.6355, 0.7100
CMYK	0.00, 0.11, 0.29, 0.59
HSL	38°, 17%, 35%
HSV	38°, 29%, 41%
XYZ	10.8447, 11.2510, 8.0682
YIQ	94.1230, 12.6550, -3.5770

Conversions

Conversions Part 2

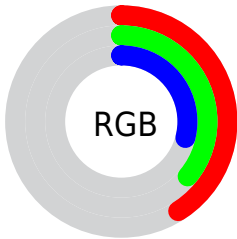
Format	Color
R_{YB}	91, 104, 74
Decimal	6839626
CIE _{Lab}	40.00, 1.13, 12.55
CIE _{LCh}	40, 12.598, 84.850
Yxy	11.2510, 0.3595, 0.3730
Android (android.graphics.Color)	4285029706 (0xFF685D4A)
YUV	94.1230, -9.9206, 8.6621
Hunter-Lab	33.5425, -0.9880, 9.2182

Details

The CIELCh color **40, 12.598, 84.850** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 12.377, 272.533**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 12.486, 83.289**, and **20, 12.485, 84.891** is the 20% darker color. If you saturate the color by 10%, you get **39, 17.155, 83.576**, and if you desaturate by 10%, it is **41, 8.134, 86.100**.

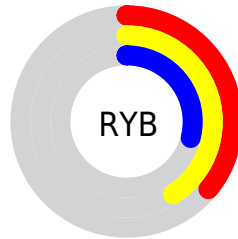
Distribution



Red (41%)

Green (36%)

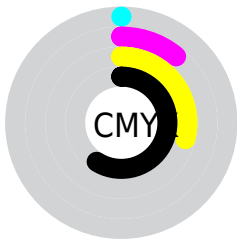
Blue (29%)



Red (36%)

Yellow (41%)

Blue (29%)

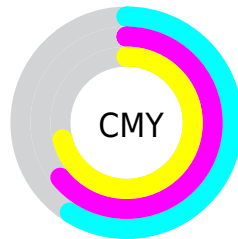


Cyan (0%)

Magenta (11%)

Yellow (29%)

Black (59%)



Cyan (59%)

Magenta (64%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 12.598, 84.850 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, 12.598, 84.850 by changing the saturation by 10% instead.

■ 40, 12.598, 84.850 ■ 40, 12.598, 84.850

■ 100, 12.598, 84.850 ■ 30, 12.598, 84.850

■ 60, 12.598, 84.850 ■ 20, 12.598, 84.850

■ 70, 12.598, 84.850 ■ 10, 12.598, 84.850

■ 80, 12.598, 84.850 ■ 0, 12.598, 84.850

■ 90, 12.598, 84.850

■ 40, 12.598, 84.850 ■ 40, 12.598, 84.850

■ 39, 17.155, 83.576 ■ 41, 8.134, 86.100

■ 37, 21.777, 82.258 ■ 43, 3.773, 87.290

■ 36, 26.409, 80.897

■ 44, 0.486, 268.847

■ 35, 30.942, 79.471

■ 46, 4.646, 269.675

■ 34, 35.182, 77.931

■ 47, 8.713, 270.746

■ 33, 38.807, 76.181

■ 48, 12.694,
271.780

■ 32, 42.199, 74.459

■ 50, 16.598,
272.770

■ 31, 42.645, 74.302

■ 51, 20.429,
273.715

■ 53, 24.195,
274.613

Harmonies

Complementary

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



40, 12.598, 84.850



36, 12.377, 272.533

Rectangle

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



40, 12.598, 84.850



40, 12.598, 134.850



40, 12.598, 264.850



40, 12.598, 314.850

Sweetspot

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



40, 12.599, 84.857



55, 4.758, 87.245



35, 14.698, 354.323



28, 3.337, 87.116



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, 12.599, 84.857



50, 19.111, 83.947



43, 17.890, 113.323



20, 2.354, 87.286



35, 45.757, 73.935



71, 79.411, 71.926

Inverse Universe

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



36, 12.377, 272.533



44, 18.693, 273.857



33, 19.047, 297.927



20, 2.347, 269.516



20, 49.105, 292.922



44, 90.724, 295.298

Previews

White Background



This preview shows how the CIELCh color 40, 12.598, 84.850 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 CIELCh color 40, 12.598, 84.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

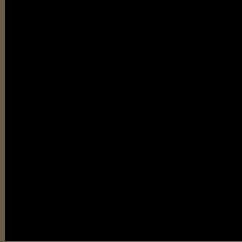
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.598, 84.850

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.598, 84.850.



This preview shows how white text looks on a background with the CIELCh color 40, 12.598, 84.850.

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, 12.598, 84.850

Protanopia

40, 11.826, 95.091

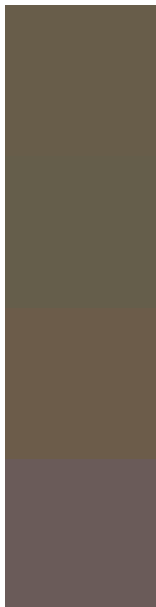
Deuteranopia

40, 13.639, 68.650



Tritanopia
40, 8.362, 350.056

Trichromacy



Original Color
40, 12.598, 84.850

Protanomaly
40, 11.941, 92.960

Deuteranomaly
40, 13.239, 74.741

Tritanomaly
40, 6.647, 30.694

Monochromacy



Original Color
40, 12.598, 84.850

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.580, 87.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.598, 84.850 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(104, 93, 74)` looks like.

```
.text, #text, p{  
    color:rgb(104, 93, 74)  
}
```

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(104, 93, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 93, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.598, 84.850 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(104, 93, 74) }
```

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

```
.border{ border-color:rgb(104, 93, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 93, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 93, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 93, 74);  
box-shadow:4px 4px 4px 4px rgb(104, 93,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.598, 84.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 93, 74) }
```

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

```
.background{ background-color: rgb(104, 93,  
74) }
```

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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