

Converting Colors

CIELCh(40, 12.129, 15.826)

Have a look what the booklet for
CIELCh(40, 12.129, 15.826) contains.

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Color

CIELCh(40, 12.344, 15.572)

Conversions

Conversions Part 1

Format	Color
Hex	735759
RGB	115, 87, 89
RGB Percent	45%, 34%, 35%
CMY	0.5479, 0.6577, 0.6499
CMYK	0.00, 0.24, 0.23, 0.55
HSL	356°, 14%, 40%
HSV	356°, 24%, 45%
XYZ	12.3532, 11.2510, 11.0319
YIQ	95.6000, 16.0460, 6.5580

Conversions

Conversions Part 2

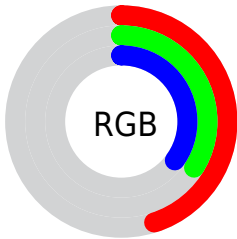
Format	Color
R_{YB}	115, 87, 89
Decimal	7559001
CIE _{Lab}	40.00, 11.89, 3.31
CIE _{LCh}	40, 12.344, 15.572
Yxy	11.2510, 0.3567, 0.3248
Android (android.graphics.Color)	4285749081 (0xFF735759)
YUV	95.6000, -3.2538, 17.0138
Hunter-Lab	33.5425, 7.0398, 3.9797

Details

The CIELCh color $40, 12.344, 15.572$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 10.809, 191.881$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 12.131, 15.343$, and $20, 12.513, 13.184$ is the 20% darker color. If you saturate the color by 10%, you get $37, 17.960, 16.816$, and if you desaturate by 10%, it is $43, 7.032, 14.564$.

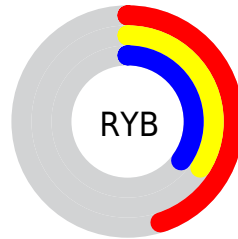
Distribution



Red (45%)

Green (34%)

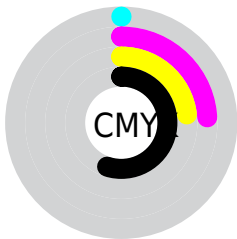
Blue (35%)



Red (45%)

Yellow (34%)

Blue (35%)

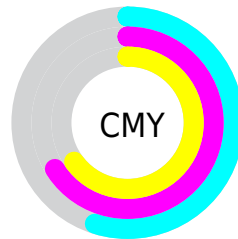


Cyan (0%)

Magenta (24%)

Yellow (23%)

Black (55%)



Cyan (55%)

Magenta (66%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 12.344, 15.572 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, 12.344, 15.572 by changing the saturation by 10% instead.

■ 40, 12.344, 15.572

■ 40, 12.344, 15.572

■ 100, 12.344,
15.572

■ 30, 12.344, 15.572

■ 60, 12.344, 15.572

■ 20, 12.344, 15.572

■ 70, 12.344, 15.572

■ 10, 12.344, 15.572

■ 80, 12.344, 15.572

■ 0, 12.344, 15.572

■ 90, 12.344, 15.572

■ 40, 12.344, 15.572

■ 40, 12.344, 15.572

■ 37, 17.960, 16.816

■ 43, 7.032, 14.564

■ 34, 23.829, 18.363

■ 47, 2.045, 13.627

31, 29.852, 20.316

51, 2.621, 193.269

28, 35.881, 22.783

54, 6.985, 192.617

26, 41.735, 25.858

58, 11.072,
192.115

24, 47.222, 29.545

62, 14.908,
191.690

23, 52.067, 33.386

23, 54.331, 34.538

65, 18.521,
191.323

69, 21.936,
191.000

73, 25.175,
190.714

Harmonies

Complementary

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



40, 12.344, 15.572



46, 10.809, 191.881

Rectangle

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



40, 12.344, 15.572



40, 12.344, 65.572



40, 12.344, 195.572



40, 12.344, 245.572

Sweetspot

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



40, 12.343, 15.578



59, 4.182, 13.917



41, 19.874, 323.315



30, 2.742, 13.954



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 12.343, 15.578



50, 18.633, 16.220



43, 10.114, 63.430



23, 2.759, 14.088



24, 57.095, 35.119



52, 100.122, 37.882

Inverse Universe

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



40, 12.343, 15.578



50, 18.633, 16.220



43, 9.199, 248.986



23, 2.759, 14.088



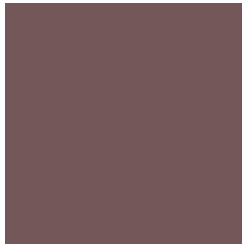
24, 57.095, 35.119



52, 100.122, 37.882

Previews

White Background



This preview shows how the CIELCh color 40, 12.344, 15.572 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, 12.344, 15.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

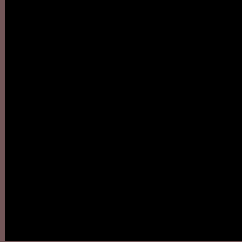
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.344, 15.572

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.344, 15.572.



This preview shows how white text looks on a background with the CIELCh color 40, 12.344, 15.572.

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, 12.344, 15.572

Protanopia

40, 1.032, 55.191

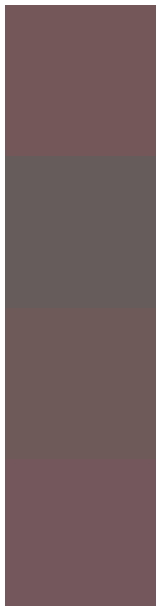
Deuteranopia

40, 6.647, 30.694



Tritanopia
40, 13.038, 5.219

Trichromacy



Original Color
40, 12.344, 15.572

Protanomaly
40, 4.716, 19.976

Deuteranomaly
40, 8.330, 24.650

Tritanomaly
40, 12.933, 7.829

Monochromacy



Original Color
40, 12.344, 15.572

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 4.302, 11.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.344, 15.572 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(115, 87, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 87, 89)  
}
```

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(115, 87, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 87, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.344, 15.572 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(115, 87, 89) }
```

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

```
.border{ border-color:rgb(115, 87, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 87, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 87, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 87, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 87,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.344, 15.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 87, 89) }
```

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

```
.background{ background-color: rgb(115, 87,  
89) }
```

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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