

Converting Colors

CIELCh(40, 23.737, 324.189)

Have a look what the booklet for
CIELCh(40, 23.737, 324.189)
contains.

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Color

CIELCh(40, 23.498, 324.161)

Conversions

Conversions Part 1

Format	Color
Hex	735475
RGB	115, 84, 117
RGB Percent	45%, 33%, 46%
CMY	0.5493, 0.6709, 0.5415
CMYK	0.02, 0.28, 0.00, 0.54
HSL	296°, 16%, 39%
HSV	296°, 28%, 46%
XYZ	13.4305, 11.2510, 18.2690
YIQ	97.0310, 7.8830, 16.8350

Conversions

Conversions Part 2

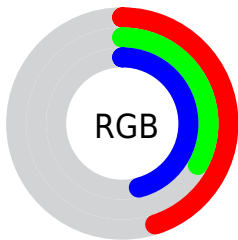
Format	Color
R_{YB}	115, 84, 117
Decimal	7558261
CIE _{Lab}	40.00, 19.05, -13.76
CIE _{LCh}	40, 23.498, 324.161
Yxy	11.2510, 0.3127, 0.2620
Android (android.graphics.Color)	4285748341 (0xFF735475)
YUV	97.0310, 9.8447, 15.7588
Hunter-Lab	33.5425, 12.7727, -8.8128

Details

The CIELCh color $40, 23.498, 324.161$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $46, 23.419, 141.138$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 23.320, 323.935$, and $20, 23.834, 323.696$ is the 20% darker color. If you saturate the color by 10%, you get $37, 31.704, 324.620$, and if you desaturate by 10%, it is $43, 15.146, 323.679$.

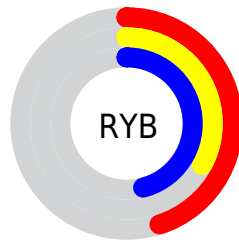
Distribution



Red (45%)

Green (33%)

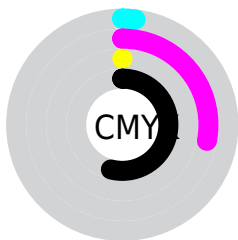
Blue (46%)



Red (45%)

Yellow (33%)

Blue (46%)

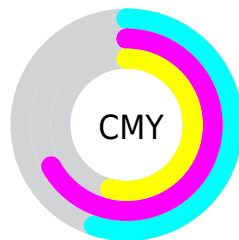


Cyan (2%)

Magenta (28%)

Yellow (0%)

Black (54%)



Cyan (55%)


Magenta (67%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 23.498, 324.161 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, 23.498, 324.161 by changing the saturation by 10% instead.


 40, 23.498,
324.161


 40, 23.498,
324.161


 100, 23.498,
324.161


 30, 23.498,
324.161

 60, 23.498,
324.161


 20, 23.498,
324.161

 70, 23.498,
324.161

 10, 23.498,
324.161

 80, 23.498,
324.161

 0, 23.498, 324.161

 90, 23.498,
324.161

 40, 23.498,

 40, 23.498,

324.161

324.161

■ 37, 31.704,
324.620

■ 43, 15.146,
323.679

■ 34, 39.570,
325.042

■ 46, 6.796, 323.181

■ 32, 46.838,
325.407

■ 50, 1.453, 142.838

■ 53, 9.540, 142.274

■ 30, 53.211,
325.695

■ 57, 17.426,
141.815

■ 28, 58.386,
325.886

■ 60, 25.093,
141.383

■ 27, 62.123,
325.964

■ 64, 32.533,
140.976

■ 26, 64.711,
325.953

■ 67, 39.747,
140.594

■ 26, 65.173,
325.953

■ 71, 46.741,

Harmonies

Complementary

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



40, 23.498, 324.161



46, 23.419, 141.138

Rectangle

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



40, 23.498, 324.161



40, 23.498, 14.161



40, 23.498, 144.161



40, 23.498, 194.161

Sweetspot

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



40, 23.496, 324.161



60, 8.246, 323.181



38, 19.001, 290.726



30, 5.830, 323.245



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, 23.496, 324.161



50, 35.223, 324.470



40, 17.774, 342.489



23, 4.669, 323.223



27, 67.346, 325.942



57, 114.205, 325.817

Inverse Universe

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



39, 14.685, 16.865



48, 22.508, 17.721



46, 17.362, 157.889



23, 2.756, 14.949



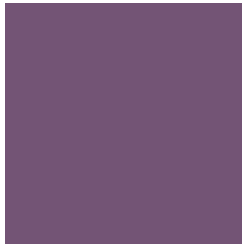
24, 57.377, 35.561



52, 100.615, 38.264

Previews

White Background



This preview shows how the CIELCh color 40, 23.498, 324.161 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, 23.498, 324.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

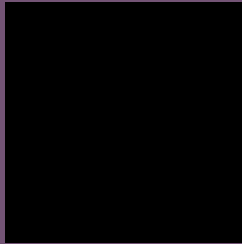
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 23.498, 324.161

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.498, 324.161.



This preview shows how white text looks on a background with the CIELCh color 40, 23.498, 324.161.

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, 23.498, 324.161

Protanopia

40, 18.993, 285.417

Deuteranopia

40, 14.062, 293.853



Tritanopia
40, 11.104, 358.604

Trichromacy



Original Color
40, 23.498, 324.161

Protanomaly
40, 19.179, 300.840

Deuteranomaly
40, 17.217, 308.226

Tritanomaly
40, 14.528, 339.610

Monochromacy



Original Color
40, 23.498, 324.161

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 8.845, 325.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.498, 324.161 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, 84, 117)` looks like.

```
.text, #text, p{  
    color:rgb(115, 84, 117)  
}
```

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, 84, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 84, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.498, 324.161 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, 84, 117) }
```

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

```
.border{ border-color:rgb(115, 84, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 84, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 84, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 84, 117); box-shadow:4px 4px 4px 4px rgb(115, 84, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.498, 324.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 84, 117) }
```

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

```
.background{ background-color: rgb(115, 84,  
117) }
```

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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