

Converting Colors

CIELCh(32, 41.501, 76.647)

Have a look what the booklet for
CIELCh(32, 41.501, 76.647) contains.

CIELCh(32, 41.309, 76.233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 41.309, 76.233)

Conversions

Conversions Part 1

Format	Color
Hex	674403
RGB	103, 68, 3
RGB Percent	40%, 27%, 1%
CMY	0.5946, 0.7321, 0.9870
CMYK	0.00, 0.34, 0.97, 0.59
HSL	39°, 94%, 21%
HSV	39°, 97%, 41%
XYZ	7.7405, 7.0852, 1.0549
YIQ	71.0550, 41.7250, -12.7950

Conversions

Conversions Part 2

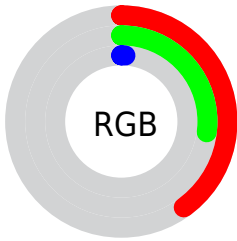
Format	Color
R_{YB}	57, 103, 3
Decimal	6767619
CIE Lab	32.00, 9.83, 40.12
CIE LCh	32, 41.309, 76.233
Yxy	7.0852, 0.4874, 0.4462
Android (android.graphics.Color)	4284957699 (0xFF674403)
YUV	71.0550, -33.5511, 28.0158
Hunter-Lab	26.6180, 5.3262, 16.2829

Details

The CIELCh color **32, 41.309, 76.233** is a dark color, and the websafe version is hex **663300**, and the color name is [violin brown](#). A complement of this color would be **18, 44.616, 292.516**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 41.516, 76.443**, and **12, 20.923, 59.535** is the 20% darker color. If you saturate the color by 10%, you get **32, 42.513, 75.776**, and if you desaturate by 10%, it is **33, 38.112, 78.013**.

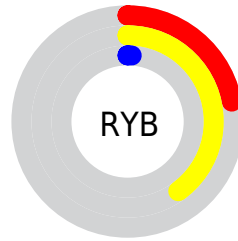
Distribution



Red (40%)

Green (27%)

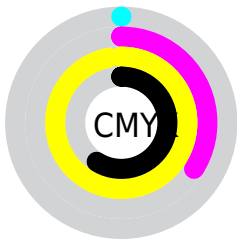
Blue (1%)



Red (22%)

Yellow (40%)

Blue (1%)

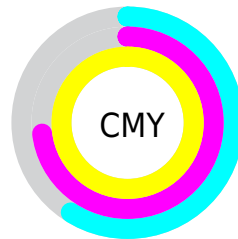


Cyan (0%)

Magenta (34%)

Yellow (97%)

Black (59%)



Cyan (59%)

Magenta (73%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 41.309, 76.233 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 32, 41.309, 76.233 by changing the saturation by 10% instead.

■ 32, 41.309, 76.233

■ 32, 41.309, 76.233

■ 100, 41.309,
76.233

■ 22, 41.309, 76.233

■ 52, 41.309, 76.233

■ 12, 41.309, 76.233

■ 62, 41.309, 76.233

■ 2, 41.309, 76.233

■ 72, 41.309, 76.233

■ 0, 41.309, 76.233

■ 82, 41.309, 76.233

■ 92, 41.309, 76.233

■ 32, 41.309, 76.233

■ 32, 41.309, 76.233

■ 32, 42.513, 75.776

■ 33, 38.112, 78.013

■ 34, 34.399, 79.685

■ 35, 30.126, 81.183

■ 36, 25.586, 82.585

■ 38, 20.956, 83.930

■ 39, 16.335, 85.234

■ 40, 11.774, 86.502

■ 42, 7.297, 87.730

■ 43, 2.915, 88.897

Harmonies

Complementary

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



32, 41.309, 76.233



18, 44.616, 292.516

Rectangle

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



32, 41.309, 76.233



32, 41.309, 126.233



32, 41.309, 256.233



32, 41.309, 306.233

Sweetspot

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



32, 41.308, 76.236



52, 15.937, 86.119



21, 42.824, 10.499



26, 11.057, 85.716



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 41.308, 76.236



41, 51.477, 74.872



41, 49.597, 110.513



20, 2.391, 88.659



35, 45.774, 75.401



72, 79.355, 73.475

Inverse Universe

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



18, 44.616, 292.516



23, 57.773, 294.623



10, 66.090, 306.617



20, 2.388, 270.871



19, 50.456, 293.959



43, 93.199, 296.265

Previews

White Background



This preview shows how the CIELCh color 32, 41.309, 76.233 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 41.309, 76.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

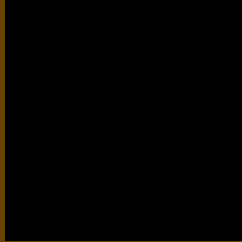
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 41.309, 76.233

Background



This preview shows how black text looks on a background with the CIELCh color 32, 41.309, 76.233.



This preview shows how white text looks on a background with the CIELCh color 32, 41.309, 76.233.

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

32, 41.309, 76.233

Protanopia

32, 37.856, 95.391

Deuteranopia

32, 41.211, 84.802



Tritanopia
32, 19.596, 15.715

Trichromacy



Original Color
32, 41.309, 76.233

Protanomaly
32, 38.474, 88.101

Deuteranomaly
32, 41.308, 81.777

Tritanomaly
32, 24.837, 54.767

Monochromacy



Original Color
32, 41.309, 76.233

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 16.597, 84.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 41.309, 76.233 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(103, 68, 3)` looks like.

```
.text, #text, p{  
    color:rgb(103, 68, 3)  
}
```

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(103, 68, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 68, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 41.309, 76.233 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(103, 68, 3) }
```

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

```
.border{ border-color:rgb(103, 68, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 68, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 68, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 68, 3);  
box-shadow:4px 4px 4px 4px rgb(103, 68, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 41.309, 76.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 68, 3) }
```

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

```
.background{ background-color: rgb(103, 68,  
3) }
```

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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