

Converting Colors

CIELCh(32, 40.436, 103.881)

Have a look what the booklet for
CIELCh(32, 40.436, 103.881)
contains.

CIELCh(32, 40.343, 103.714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(32, 40.343, 103.714)

Conversions

Conversions Part 1

Format	Color
Hex	4D4E02
RGB	77, 78, 2
RGB Percent	30%, 31%, 1%
CMY	0.6968, 0.6930, 0.9910
CMYK	0.01, 0.00, 0.97, 0.69
HSL	61°, 94%, 16%
HSV	61°, 97%, 31%
XYZ	5.8428, 7.0852, 1.1254
YIQ	69.0370, 23.8000, -23.8480

Conversions

Conversions Part 2

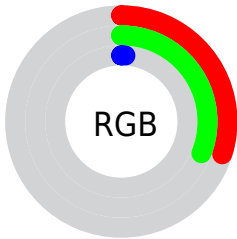
Format	Color
R_{YB}	2, 78, 3
Decimal	5066242
CIE Lab	32.00, -9.56, 39.19
CIE LCh	32, 40.343, 103.714
Yxy	7.0852, 0.4158, 0.5042
Android (android.graphics.Color)	4283256322 (0xFF4D4E02)
YUV	69.0370, -33.0492, 6.9836
Hunter-Lab	26.6180, -7.3995, 16.1258

Details

The CIELCh color **32, 40.343, 103.714** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6, 53.635, 304.972**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 40.320, 103.688**, and **12, 19.466, 115.219** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.192, 103.582**, and if you desaturate by 10%, it is **32, 37.673, 104.135**.

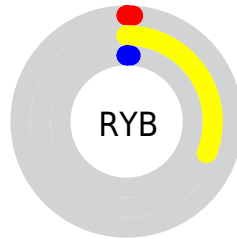
Distribution



Red (30%)

Green (31%)

Blue (1%)



Red (1%)

Yellow (31%)

Blue (1%)

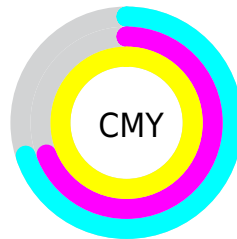


Cyan (1%)

Magenta (0%)

Yellow (97%)

Black (69%)



Cyan (70%)


Magenta (69%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 40.343, 103.714 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, 40.343, 103.714 by changing the saturation by 10% instead.


 32, 40.343,
103.714


 32, 40.343,
103.714

 100, 40.343,
103.714


 22, 40.343,
103.714

 52, 40.343,
103.714


 12, 40.343,
103.714


 62, 40.343,
103.714

 2, 40.343, 103.714

 72, 40.343,
103.714

 0, 40.343, 103.714

 82, 40.343,
103.714

 92, 40.343,
103.714

■ 32, 40.343,
103.714

■ 32, 40.343,
103.714

■ 32, 41.192,
103.582

■ 32, 37.673,
104.135

■ 32, 34.744,
104.607

■ 32, 31.138,
105.213

■ 32, 27.047,
105.920

■ 32, 22.626,
106.697

■ 33, 17.990,
107.521

■ 33, 13.219,
108.370

■ 33, 8.368, 109.228

Harmonies

Complementary

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



32, 40.343, 103.714



6, 53.635, 304.972

Rectangle

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



32, 40.343, 103.714



32, 40.343, 153.714



32, 40.343, 283.714



32, 40.343, 333.714

Sweetspot

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



32, 40.343, 103.716



42, 17.599, 108.114



14, 39.092, 31.664



21, 11.907, 107.918



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 40.343, 103.716



42, 49.460, 103.609



29, 44.686, 126.567



15, 2.687, 109.948



88, 89.506, 103.663

Inverse Universe

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



6, 53.635, 304.972



9, 68.198, 306.364



9, 51.062, 312.791



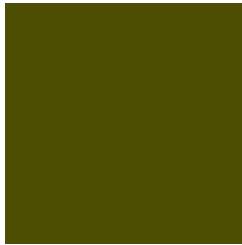
14, 2.738, 291.467



29, 123.510, 306.316

Previews

White Background



This preview shows how the CIELCh color 32, 40.343, 103.714 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, 40.343, 103.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

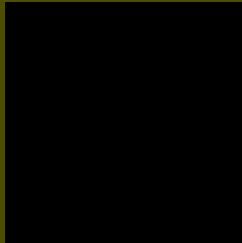
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 40.343, 103.714

Background



This preview shows how black text looks on a background with the CIELCh color 32, 40.343, 103.714.



This preview shows how white text looks on a background with the CIELCh color 32, 40.343, 103.714.

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

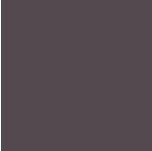
32, 40.343, 103.714

Protanopia

32, 40.661, 96.161

Deuteranopia

32, 36.765, 84.346



Tritanopia
32, 5.407, 344.536

Trichromacy



Original Color
32, 40.343, 103.714

Protanomaly
32, 40.428, 99.203

Deuteranomaly
32, 37.591, 91.226

Tritanomaly
32, 15.934, 96.726

Monochromacy



Original Color
32, 40.343, 103.714

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 16.974, 106.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 40.343, 103.714 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(77, 78, 2)` looks like.

```
.text, #text, p{  
    color:rgb(77, 78, 2)  
}
```

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(77, 78, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 78, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 40.343, 103.714 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(77, 78, 2) }
```

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

```
.border{ border-color:rgb(77, 78, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 78, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 78, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(77, 78, 2); box-shadow:4px  
4px 4px 4px rgb(77, 78, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 40.343, 103.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 78, 2) }
```

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

```
.background{ background-color: rgb(77, 78,  
2) }
```

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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