

Converting Colors

CIELCh(32, 40.678, 58.943)

Have a look what the booklet for
CIELCh(32, 40.678, 58.943) contains.

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Color

CIELCh(32, 40.476, 59.102)

Conversions

Conversions Part 1

Format	Color
Hex	743D13
RGB	116, 61, 19
RGB Percent	45%, 24%, 7%
CMY	0.5454, 0.7610, 0.9257
CMYK	0.00, 0.47, 0.84, 0.55
HSL	26°, 72%, 26%
HSV	26°, 84%, 45%
XYZ	8.9745, 7.0852, 1.5077
YIQ	72.6570, 46.2620, -1.4020

Conversions

Conversions Part 2

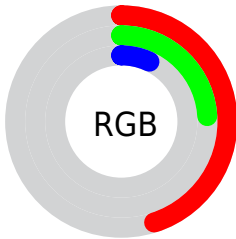
Format	Color
R _Y B	116, 93, 19
Decimal	7617811
CIE Lab	32.00, 20.78, 34.73
CIE LCh	32, 40.476, 59.102
Yxy	7.0852, 0.5109, 0.4033
Android (android.graphics.Color)	4285807891 (0xFF743D13)
YUV	72.6570, -26.4529, 38.0118
Hunter-Lab	26.6180, 13.6017, 15.2742

Details

The CIELCh color **32, 40.476, 59.102** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **30, 29.055, 267.492**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 40.345, 59.136**, and **12, 28.059, 41.566** is the 20% darker color. If you saturate the color by 10%, you get **30, 45.227, 57.601**, and if you desaturate by 10%, it is **34, 35.200, 60.285**.

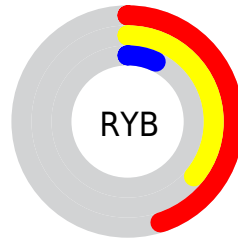
Distribution



Red (45%)

Green (24%)

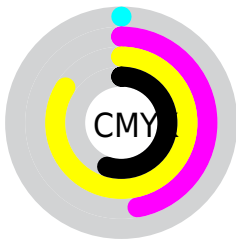
Blue (7%)



Red (45%)

Yellow (36%)

Blue (7%)

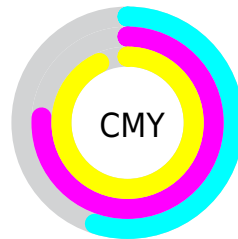


Cyan (0%)

Magenta (47%)

Yellow (84%)

Black (55%)



Cyan (55%)

Magenta (76%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 40.476, 59.102 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, 40.476, 59.102 by changing the saturation by 10% instead.

■ 32, 40.476, 59.102 ■ 32, 40.476, 59.102

■ 100, 40.476, 59.102 ■ 22, 40.476, 59.102

■ 52, 40.476, 59.102 ■ 12, 40.476, 59.102

■ 62, 40.476, 59.102 ■ 2, 40.476, 59.102

■ 72, 40.476, 59.102 ■ 0, 40.476, 59.102

■ 82, 40.476, 59.102

■ 92, 40.476, 59.102

■ 32, 40.476, 59.102 ■ 32, 40.476, 59.102

■ 30, 45.227, 57.601 ■ 34, 35.200, 60.285

29, 48.290, 56.882

36, 29.788, 61.314

37, 24.477, 62.303

39, 19.373, 63.298

42, 14.519, 64.311

44, 9.922, 65.338

46, 5.572, 66.363

48, 1.452, 67.269

50, 2.459, 248.620

Harmonies

Complementary

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



32, 40.476, 59.102



30, 29.055, 267.492

Rectangle

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



32, 40.476, 59.102



32, 40.476, 109.102



32, 40.476, 239.102



32, 40.476, 289.102

Sweetspot

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



32, 40.475, 59.105



56, 13.049, 65.135



26, 46.009, 349.039



28, 9.043, 64.849



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 40.475, 59.105



38, 59.060, 56.075



45, 46.902, 98.630



23, 2.288, 66.822



31, 50.466, 56.781



63, 87.092, 54.668

Inverse Universe

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



30, 29.055, 267.492



36, 41.925, 275.817



16, 60.059, 301.489



23, 2.223, 248.942



29, 35.503, 274.769



58, 63.109, 277.664

Previews

White Background



This preview shows how the CIELCh color 32, 40.476, 59.102 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, 40.476, 59.102 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, 40.476, 59.102

Background



This preview shows how black text looks on a background with the CIELCh color 32, 40.476, 59.102.



This preview shows how white text looks on a background with the CIELCh color 32, 40.476, 59.102.

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, 40.476, 59.102

Protanopia

32, 31.804, 96.003

Deuteranopia

32, 36.611, 83.468



Tritanopia
32, 28.866, 20.214

Trichromacy



Original Color
32, 40.476, 59.102

Protanomaly
32, 32.673, 80.825

Deuteranomaly
32, 37.152, 74.048

Tritanomaly
32, 31.228, 37.922

Monochromacy



Original Color
32, 40.476, 59.102

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 14.284, 64.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 40.476, 59.102 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(116, 61, 19)` looks like.

```
.text, #text, p{  
    color:rgb(116, 61, 19)  
}
```

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(116, 61, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 61, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 40.476, 59.102 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(116, 61, 19) }
```

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

```
.border{ border-color:rgb(116, 61, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 61, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 61, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 61, 19);  
box-shadow:4px 4px 4px 4px rgb(116, 61,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 40.476, 59.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 61, 19) }
```

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

```
.background{ background-color: rgb(116, 61,  
19) }
```

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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