

Converting Colors

CIELCh(32, 37.169, 47.343)

Have a look what the booklet for
CIELCh(32, 37.169, 47.343) contains.

CIELCh(32, 37.190, 47.783)	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, 37.190, 47.783)

Conversions

Conversions Part 1

Format	Color
Hex	783A21
RGB	120, 58, 33
RGB Percent	47%, 23%, 13%
CMY	0.5305, 0.7734, 0.8714
CMYK	0.00, 0.52, 0.73, 0.53
HSL	17°, 57%, 30%
HSV	17°, 73%, 47%
XYZ	9.4810, 7.0852, 2.2911
YIQ	73.6880, 44.9770, 5.3690

Conversions

Conversions Part 2

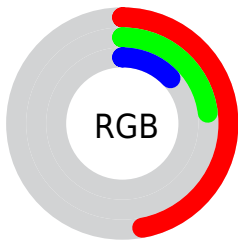
Format	Color
R_{YB}	120, 68, 33
Decimal	7879201
CIE _{Lab}	32.00, 24.99, 27.54
CIE _{LCh}	32, 37.190, 47.783
Yxy	7.0852, 0.5028, 0.3757
Android (android.graphics.Color)	4286069281 (0xFF783A21)
YUV	73.6880, -20.0592, 40.6156
Hunter-Lab	26.6180, 16.9978, 13.5292

Details

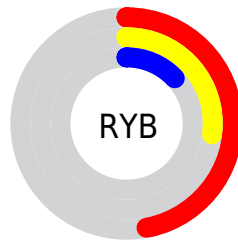
The CIELCh color **32, 37.190, 47.783** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **37, 22.615, 241.238**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 37.234, 47.634**, and **12, 31.342, 36.694** is the 20% darker color. If you saturate the color by 10%, you get **30, 43.345, 47.806**, and if you desaturate by 10%, it is **34, 31.070, 47.765**.

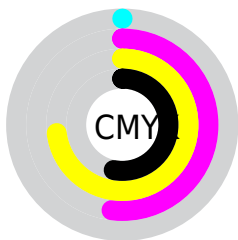
Distribution



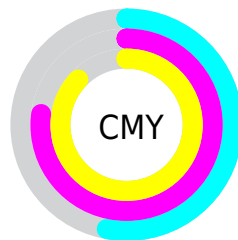
- Red (47%)
- Green (23%)
- Blue (13%)



- Red (47%)
- Yellow (27%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (73%)
- Black (53%)



- Cyan (53%)
- Magenta (77%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 37.190, 47.783 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, 37.190, 47.783 by changing the saturation by 10% instead.

■ 32, 37.190, 47.783

■ 32, 37.190, 47.783

■ 100, 37.190,
47.783

■ 22, 37.190, 47.783

■ 52, 37.190, 47.783

■ 12, 37.190, 47.783

■ 62, 37.190, 47.783

■ 2, 37.190, 47.783

■ 72, 37.190, 47.783

■ 0, 37.190, 47.783

■ 82, 37.190, 47.783

■ 92, 37.190, 47.783

■ 32, 37.190, 47.783

■ 32, 37.190, 47.783

■ 30, 43.345, 47.806

■ 34, 31.070, 47.765

28, 49.064, 47.549

37, 25.199, 47.842

27, 52.845, 47.303

39, 19.663, 48.040

42, 14.490, 48.352

44, 9.676, 48.759

47, 5.201, 49.224

50, 1.038, 49.509

52, 2.844, 230.569

55, 6.474, 231.124

Harmonies

Complementary

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



32, 37.190, 47.783



37, 22.615, 241.238

Rectangle

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



32, 37.190, 47.783



32, 37.190, 97.783



32, 37.190, 227.783



32, 37.190, 277.783

Sweetspot

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



32, 37.189, 47.786



57, 11.660, 48.762



29, 47.124, 339.358



29, 7.958, 48.669



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



32, 37.189, 47.786



38, 57.053, 47.705



43, 39.670, 90.812



23, 2.252, 49.390



28, 53.860, 47.345



57, 94.387, 46.241

Inverse Universe

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



37, 22.615, 241.238



46, 30.764, 247.191



24, 44.838, 293.084



24, 2.149, 230.688



35, 27.505, 251.787



69, 47.686, 254.757

Previews

White Background



This preview shows how the CIELCh color 32, 37.190, 47.783 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, 37.190, 47.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

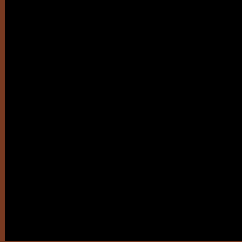
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 37.190, 47.783

Background



This preview shows how black text looks on a background with the CIELCh color 32, 37.190, 47.783.



This preview shows how white text looks on a background with the CIELCh color 32, 37.190, 47.783.

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, 37.190, 47.783

Protanopia

32, 23.760, 96.122

Deuteranopia

32, 29.239, 81.059



Tritanopia
32, 31.452, 22.330

Trichromacy



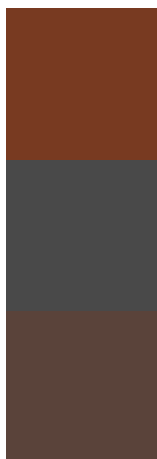
Original Color
32, 37.190, 47.783

Protanomaly
32, 25.674, 71.967

Deuteranomaly
32, 30.871, 66.915

Tritanomaly
32, 32.897, 32.649

Monochromacy



Original Color
32, 37.190, 47.783

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 12.596, 47.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 37.190, 47.783 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(120, 58, 33)` looks like.

```
.text, #text, p{  
    color:rgb(120, 58, 33)  
}
```

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(120, 58, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 58, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 37.190, 47.783 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(120, 58, 33) }
```

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

```
.border{ border-color:rgb(120, 58, 33) }
```

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

Here you see how a box with a 4 pixel rgb(120, 58, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 58, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 58, 33);  
box-shadow:4px 4px 4px 4px rgb(120, 58,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 37.190, 47.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 58, 33) }
```

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

```
.background{ background-color: rgb(120, 58,  
33) }
```

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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