

Converting Colors

CIELCh(32, 46.828, 37.817)

Have a look what the booklet for
CIELCh(32, 46.828, 37.817) contains.

CIELCh(32, 46.781, 37.982)	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, 46.781, 37.982)

Conversions

Conversions Part 1

Format	Color
Hex	862E20
RGB	134, 46, 32
RGB Percent	53%, 18%, 13%
CMY	0.4756, 0.8205, 0.8753
CMYK	0.00, 0.66, 0.76, 0.48
HSL	8°, 62%, 32%
HSV	8°, 76%, 52%
XYZ	11.0145, 7.0852, 2.1394
YIQ	70.7160, 56.9420, 14.3020

Conversions

Conversions Part 2

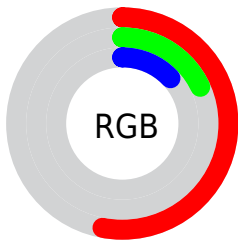
Format	Color
R _{YB}	134, 48, 32
Decimal	8793632
CIE Lab	32.00, 36.87, 28.79
CIE LCh	32, 46.781, 37.982
Yxy	7.0852, 0.5442, 0.3501
Android (android.graphics.Color)	4286983712 (0xFF862E20)
YUV	70.7160, -19.0870, 55.5001
Hunter-Lab	26.6180, 27.2821, 13.8671

Details

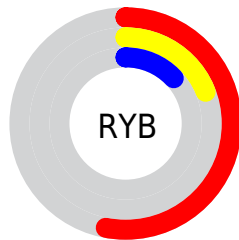
The CIELCh color **32, 46.781, 37.982** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **46, 25.171, 216.530**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 47.037, 37.738**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **30, 53.732, 39.685**, and if you desaturate by 10%, it is **34, 39.595, 36.411**.

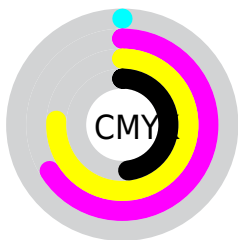
Distribution



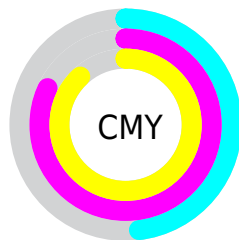
- Red (53%)
- Green (18%)
- Blue (13%)



- Red (53%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (76%)
- Black (48%)



- Cyan (48%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 46.781, 37.982 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, 46.781, 37.982 by changing the saturation by 10% instead.

■ 32, 46.781, 37.982

■ 32, 46.781, 37.982

■ 100, 46.781,
37.982

■ 22, 46.781, 37.982

■ 52, 46.781, 37.982

■ 12, 46.781, 37.982

■ 62, 46.781, 37.982

■ 2, 46.781, 37.982

■ 72, 46.781, 37.982

■ 0, 46.781, 37.982

■ 82, 46.781, 37.982

■ 92, 46.781, 37.982

■ 32, 46.781, 37.982

■ 32, 46.781, 37.982

■ 30, 53.732, 39.685

■ 34, 39.595, 36.411

29, 59.634, 40.999

37, 32.540, 35.125

28, 61.569, 41.523

40, 25.792, 34.144

43, 19.439, 33.433

47, 13.519, 32.943

50, 8.032, 32.619

54, 2.959, 32.364

57, 1.731, 212.680

61, 6.074, 212.527

Harmonies

Complementary

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



32, 46.781, 37.982



46, 25.171, 216.530

Rectangle

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



32, 46.781, 37.982



32, 46.781, 87.982



32, 46.781, 217.982



32, 46.781, 267.982

Sweetspot

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



32, 46.779, 37.985



61, 14.503, 32.841



33, 58.448, 332.762



30, 10.122, 32.959



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



32, 46.779, 37.985



38, 70.105, 40.687



44, 41.853, 78.014



26, 2.695, 32.446



27, 60.128, 41.405



0, 0.624, 32.447

Inverse Universe

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



46, 25.171, 216.530



58, 32.337, 219.622



30, 41.498, 285.092



27, 2.548, 212.537



43, 26.572, 221.041



0, 0.624, 212.466

Previews

White Background



This preview shows how the CIELCh color 32, 46.781, 37.982 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, 46.781, 37.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

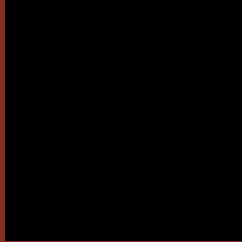
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 46.781, 37.982

Background



This preview shows how black text looks on a background with the CIELCh color 32, 46.781, 37.982.

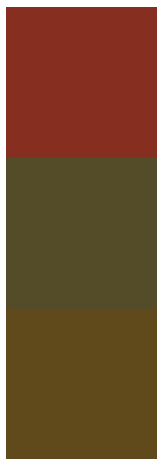


This preview shows how white text looks on a background with the CIELCh color 32, 46.781, 37.982.

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, 46.781, 37.982

Protanopia

32, 22.034, 95.745

Deuteranopia

33, 31.188, 82.235



Tritanopia
32, 43.457, 27.361

Trichromacy



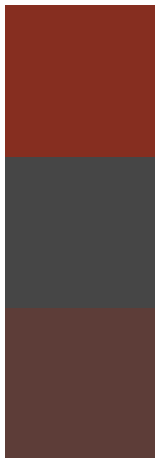
Original Color
32, 46.781, 37.982

Protanomaly
31, 26.319, 60.404

Deuteranomaly
32, 34.177, 59.668

Tritanomaly
32, 44.392, 31.573

Monochromacy



Original Color
32, 46.781, 37.982

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 15.986, 33.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 46.781, 37.982 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(134, 46, 32)` looks like.

```
.text, #text, p{  
    color:rgb(134, 46, 32)  
}
```

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(134, 46, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 46, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 46.781, 37.982 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(134, 46, 32) }
```

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

```
.border{ border-color:rgb(134, 46, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 46, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 46, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 46, 32);  
box-shadow:4px 4px 4px 4px rgb(134, 46,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 46.781, 37.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 46, 32) }
```

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

```
.background{ background-color: rgb(134, 46,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor