

Converting Colors

CIELCh(32, 50.841, 42.103)

Have a look what the booklet for
CIELCh(32, 50.841, 42.103) contains.

CIELCh(32, 50.399, 42.181)	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, 50.399, 42.181)

Conversions

Conversions Part 1

Format	Color
Hex	872D17
RGB	135, 45, 23
RGB Percent	53%, 18%, 9%
CMY	0.4707, 0.8236, 0.9099
CMYK	0.00, 0.67, 0.83, 0.47
HSL	12°, 71%, 31%
HSV	12°, 83%, 53%
XYZ	11.0789, 7.0852, 1.5931
YIQ	69.4020, 60.7020, 12.2380

Conversions

Conversions Part 2

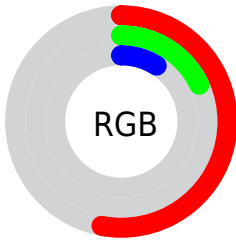
Format	Color
R_{YB}	135, 50, 23
Decimal	8858903
CIE Lab	32.00, 37.35, 33.84
CIE LCh	32, 50.399, 42.181
Yxy	7.0852, 0.5608, 0.3586
Android (android.graphics.Color)	4287048983 (0xFF872D17)
YUV	69.4020, -22.8762, 57.5294
Hunter-Lab	26.6180, 27.7138, 15.0840

Details

The CIELCh color **32, 50.399, 42.181** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **44, 25.775, 228.432**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 50.396, 41.942**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **30, 56.852, 42.954**, and if you desaturate by 10%, it is **34, 43.325, 41.187**.

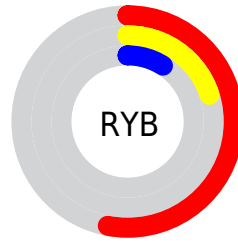
Distribution



Red (53%)

Green (18%)

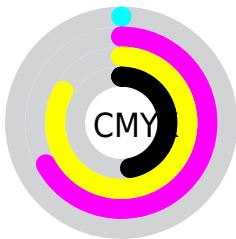
Blue (9%)



Red (53%)

Yellow (20%)

Blue (9%)

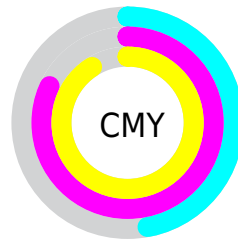


Cyan (0%)

Magenta (67%)

Yellow (83%)

Black (47%)



Cyan (47%)

Magenta (82%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 50.399, 42.181 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, 50.399, 42.181 by changing the saturation by 10% instead.

■ 32, 50.399, 42.181

■ 32, 50.399, 42.181

■ 100, 50.399,
42.181

■ 22, 50.399, 42.181

■ 52, 50.399, 42.181

■ 12, 50.399, 42.181

■ 62, 50.399, 42.181

■ 2, 50.399, 42.181

■ 72, 50.399, 42.181

■ 0, 50.399, 42.181

■ 82, 50.399, 42.181

■ 92, 50.399, 42.181

■ 32, 50.399, 42.181

■ 32, 50.399, 42.181

■ 30, 56.852, 42.954

■ 34, 43.325, 41.187

29, 60.803, 43.453

37, 36.235, 40.296

39, 29.399, 39.616

42, 22.942, 39.158

45, 16.912, 38.896

49, 11.316, 38.794

52, 6.139, 38.805

55, 1.352, 38.712

59, 3.080, 219.363

Harmonies

Complementary

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



32, 50.399, 42.181



44, 25.775, 228.432

Rectangle

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



32, 50.399, 42.181



32, 50.399, 92.181



32, 50.399, 222.181



32, 50.399, 272.181

Sweetspot

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



32, 50.397, 42.184



62, 15.451, 38.808



32, 59.391, 335.447



31, 10.757, 38.835



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



32, 50.397, 42.184



39, 75.149, 43.480



45, 46.039, 81.189



26, 2.590, 38.820



28, 58.923, 43.349



0, 0.600, 39.062

Inverse Universe

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



44, 25.775, 228.432



54, 33.197, 234.642



27, 49.623, 290.894



27, 2.452, 219.400



41, 26.554, 233.556



0, 0.600, 219.082

Previews

White Background



This preview shows how the CIELCh color 32, 50.399, 42.181 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, 50.399, 42.181 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, 50.399, 42.181

Background



This preview shows how black text looks on a background with the CIELCh color 32, 50.399, 42.181.



This preview shows how white text looks on a background with the CIELCh color 32, 50.399, 42.181.

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, 50.399, 42.181

Protanopia

33, 28.147, 96.782

Deuteranopia

32, 36.611, 83.468



Tritanopia
32, 44.874, 27.801

Trichromacy



Original Color
32, 50.399, 42.181

Protanomaly
31, 31.389, 66.082

Deuteranomaly
31, 38.780, 63.457

Tritanomaly
32, 46.683, 33.822

Monochromacy



Original Color
32, 50.399, 42.181

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 17.293, 39.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 50.399, 42.181 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(135, 45, 23)` looks like.

```
.text, #text, p{  
    color:rgb(135, 45, 23)  
}
```

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(135, 45, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 45, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 50.399, 42.181 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(135, 45, 23) }
```

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

```
.border{ border-color:rgb(135, 45, 23) }
```

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

Here you see how a box with a 4 pixel rgb(135, 45, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 45, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 45, 23);  
box-shadow:4px 4px 4px 4px rgb(135, 45,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 50.399, 42.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 45, 23) }
```

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

```
.background{ background-color: rgb(135, 45,  
23) }
```

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