

Converting Colors

CIELCh(32, 52.206, 44.318)

Have a look what the booklet for
CIELCh(32, 52.206, 44.318) contains.

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Color

CIELCh(32, 52.006, 44.349)

Conversions

Conversions Part 1

Format	Color
Hex	872D12
RGB	135, 45, 18
RGB Percent	53%, 18%, 7%
CMY	0.4702, 0.8232, 0.9291
CMYK	0.00, 0.67, 0.87, 0.47
HSL	14°, 76%, 30%
HSV	14°, 87%, 53%
XYZ	11.0575, 7.0852, 1.3601
YIQ	68.8320, 62.3070, 10.6830

Conversions

Conversions Part 2

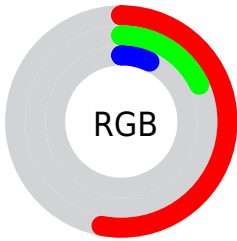
Format	Color
RYB	135, 53, 18
Decimal	8858898
CIELab	32.00, 37.19, 36.35
CIELCh	32, 52.006, 44.349
Yxy	7.0852, 0.5670, 0.3633
Android (android.graphics.Color)	4287048978 (0xFF872D12)
YUV	68.8320, -25.0602, 58.0293
Hunter-Lab	26.6180, 27.5699, 15.6031

Details

The CIELCh color **32, 52.006, 44.349** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **42, 26.429, 236.041**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 52.014, 44.370**, and **13, 39.430, 31.373** is the 20% darker color. If you saturate the color by 10%, you get **30, 58.094, 44.629**, and if you desaturate by 10%, it is **34, 45.138, 43.787**.

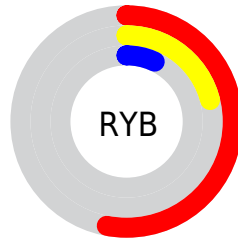
Distribution



Red (53%)

Green (18%)

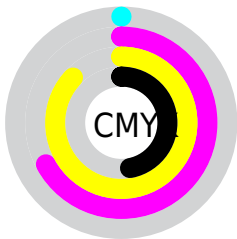
Blue (7%)



Red (53%)

Yellow (21%)

Blue (7%)

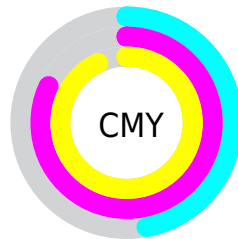


Cyan (0%)

Magenta (67%)

Yellow (87%)

Black (47%)



Cyan (47%)

Magenta (82%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 52.006, 44.349 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, 52.006, 44.349 by changing the saturation by 10% instead.

■ 32, 52.006, 44.349

■ 32, 52.006, 44.349

■ 100, 52.006,
44.349

■ 22, 52.006, 44.349

■ 52, 52.006, 44.349

■ 12, 52.006, 44.349

■ 62, 52.006, 44.349

■ 2, 52.006, 44.349

■ 72, 52.006, 44.349

■ 0, 52.006, 44.349

■ 82, 52.006, 44.349

■ 92, 52.006, 44.349

■ 32, 52.006, 44.349

■ 32, 52.006, 44.349

■ 30, 58.094, 44.629

■ 34, 45.138, 43.787

30, 60.015, 44.806

36, 38.107, 43.193

39, 31.269, 42.737

42, 24.783, 42.462

45, 18.712, 42.362

48, 13.069, 42.409

51, 7.843, 42.567

54, 3.005, 42.759

57, 1.479, 223.508

Harmonies

Complementary

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



32, 52.006, 44.349



42, 26.429, 236.041

Rectangle

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



32, 52.006, 44.349



32, 52.006, 94.349



32, 52.006, 224.349



32, 52.006, 274.349

Sweetspot

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



32, 52.004, 44.351



61, 15.836, 42.409



31, 59.079, 337.445



31, 10.949, 42.382



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, 52.004, 44.351



39, 74.015, 44.628



45, 48.055, 83.394



26, 2.545, 42.721



29, 58.124, 44.732



0, 0.590, 43.105

Inverse Universe

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



42, 26.429, 236.041



52, 33.955, 242.050



25, 54.801, 294.102



27, 2.414, 223.587



39, 27.082, 240.802



0, 0.590, 223.125

Previews

White Background



This preview shows how the CIELCh color 32, 52.006, 44.349 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, 52.006, 44.349 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, 52.006, 44.349

Background



This preview shows how black text looks on a background with the CIELCh color 32, 52.006, 44.349.



This preview shows how white text looks on a background with the CIELCh color 32, 52.006, 44.349.

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, 52.006, 44.349

Protanopia

33, 30.815, 96.008

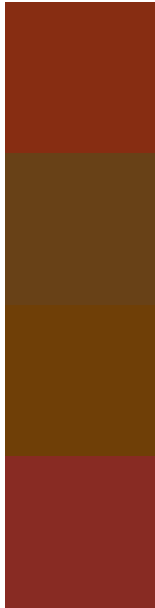
Deuteranopia

32, 41.542, 84.992



Tritanopia
32, 45.170, 27.314

Trichromacy



Original Color
32, 52.006, 44.349

Protanomaly
31, 34.020, 67.691

Deuteranomaly
32, 42.479, 66.570

Tritanomaly
32, 47.530, 34.591

Monochromacy



Original Color
32, 52.006, 44.349

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 17.904, 42.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 52.006, 44.349 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(135, 45, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 45, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 52.006, 44.349 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, 18) }
```

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

```
.border{ border-color:rgb(135, 45, 18) }
```

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, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 45, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 45, 18);  
box-shadow:4px 4px 4px 4px rgb(135, 45,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 52.006, 44.349 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, 18) }
```

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

```
.background{ background-color: rgb(135, 45,  
18) }
```

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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