

Converting Colors

CIELCh(32, 42.012, 52.733)

Have a look what the booklet for
CIELCh(32, 42.012, 52.733) contains.

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Color

CIELCh(32, 42.012, 52.733)

Conversions

Conversions Part 1

Format	Color
Hex	793916
RGB	121, 57, 22
RGB Percent	47%, 22%, 9%
CMY	0.5246, 0.7757, 0.9130
CMYK	0.00, 0.53, 0.82, 0.52
HSL	21°, 69%, 28%
HSV	21°, 82%, 48%
XYZ	9.5363, 7.0852, 1.6333
YIQ	72.1460, 49.3790, 2.6830

Conversions

Conversions Part 2

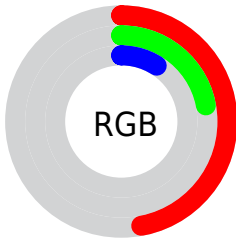
Format	Color
R_{YB}	121, 76, 22
Decimal	7944470
CIE Lab	32.00, 25.44, 33.43
CIE LCh	32, 42.012, 52.733
Yxy	7.0852, 0.5224, 0.3881
Android (android.graphics.Color)	4286134550 (0xFF793916)
YUV	72.1460, -24.7220, 42.8450
Hunter-Lab	26.6180, 17.3687, 14.9946

Details

The CIELCh color **32, 42.012, 52.733** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **34, 26.287, 255.384**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 42.224, 52.659**, and **12, 31.563, 35.915** is the 20% darker color. If you saturate the color by 10%, you get **30, 47.527, 51.867**, and if you desaturate by 10%, it is **34, 36.079, 53.312**.

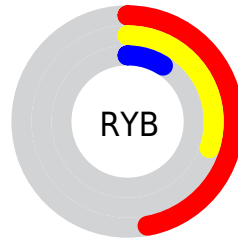
Distribution



Red (47%)

Green (22%)

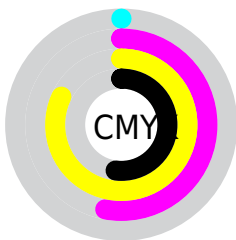
Blue (9%)



Red (47%)

Yellow (30%)

Blue (9%)

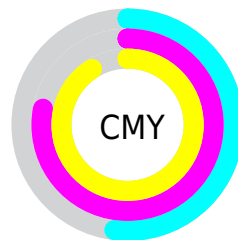


Cyan (0%)

Magenta (53%)

Yellow (82%)

Black (52%)



Cyan (52%)

Magenta (78%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 42.012, 52.733 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, 42.012, 52.733 by changing the saturation by 10% instead.

■ 32, 42.012, 52.733

■ 32, 42.012, 52.733

■ 100, 42.012,
52.733

■ 22, 42.012, 52.733

■ 52, 42.012, 52.733

■ 12, 42.012, 52.733

■ 62, 42.012, 52.733

■ 2, 42.012, 52.733

■ 72, 42.012, 52.733

■ 0, 42.012, 52.733

■ 82, 42.012, 52.733

■ 92, 42.012, 52.733

■ 32, 42.012, 52.733

■ 32, 42.012, 52.733

■ 30, 47.527, 51.867

■ 34, 36.079, 53.312

29, 51.849, 51.241

36, 30.163, 53.827

38, 24.466, 54.377

41, 19.072, 54.992

43, 14.008, 55.674

45, 9.267, 56.408

48, 4.832, 57.167

50, 0.677, 57.572

53, 3.226, 238.998

Harmonies

Complementary

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



32, 42.012, 52.733



34, 26.287, 255.384

Rectangle

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



32, 42.012, 52.733



32, 42.012, 102.733



32, 42.012, 232.733



32, 42.012, 282.733

Sweetspot

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



32, 42.011, 52.736



57, 13.446, 56.115



28, 48.817, 344.355



28, 9.211, 55.909



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, 42.011, 52.736



38, 62.690, 50.808



45, 45.725, 94.432



24, 2.324, 57.360



30, 53.177, 51.235



60, 91.756, 49.549

Inverse Universe

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



34, 26.287, 255.384



42, 36.778, 263.815



20, 56.323, 298.696



25, 2.233, 239.116



33, 31.028, 263.520



64, 54.066, 266.489

Previews

White Background



This preview shows how the CIELCh color 32, 42.012, 52.733 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, 42.012, 52.733 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, 42.012, 52.733

Background



This preview shows how black text looks on a background with the CIELCh color 32, 42.012, 52.733.



This preview shows how white text looks on a background with the CIELCh color 32, 42.012, 52.733.

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, 42.012, 52.733

Protanopia

32, 29.827, 95.850

Deuteranopia

32, 35.460, 83.054



Tritanopia
32, 32.915, 22.842

Trichromacy



Original Color
32, 42.012, 52.733

Protanomaly
32, 31.467, 75.983

Deuteranomaly
32, 36.546, 70.949

Tritanomaly
32, 35.059, 36.285

Monochromacy



Original Color
32, 42.012, 52.733

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 14.153, 56.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 42.012, 52.733 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(121, 57, 22)` looks like.

```
.text, #text, p{  
    color:rgb(121, 57, 22)  
}
```

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(121, 57, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 57, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 42.012, 52.733 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(121, 57, 22) }
```

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

```
.border{ border-color:rgb(121, 57, 22) }
```

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

Here you see how a box with a 4 pixel rgb(121, 57, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 57, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 57, 22);  
box-shadow:4px 4px 4px 4px rgb(121, 57,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 42.012, 52.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 57, 22) }
```

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

```
.background{ background-color: rgb(121, 57,  
22) }
```

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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